

gi:2791272

10043715.010902

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241 ggctcccagt gccctgggtca aaatctcact ttcccttcaag atccagccaa gtccactgct
301 gtcatagaag cttctctgat tttcccttttc cacacctctt gcaggaaaca attcttccct
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961 atcagcctga atttacttat aaatatacaa gagaaatgac tcacgtcttc agtgatacag
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1321 ttgttgtatt tcatctaat tccaaaagca tttgaacctg gtcttagatt attactcaaa
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1441 tttcccttca gtttactttt ttttaaaact actgtatttg tgggtagtgt gctcaaagtt
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1621 tattcctctc cttttgcttt attataggct tgcagtgtaa gtttaaatat agtaaacagt
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1801 cagcagagtt gattataaat attttctcat atttgcttca cgttcttttc acaaattcaa
1861 tatattttt aaaaaccagc tcagcaaggt tattgctgct gaggggcagc ttccggttact
1921 cccactcct tgccactctc ctgtccctct cagaggagct ctactgcac tgggggtttt
1981 ctttccagtt cattcaacgt acatgtatat atctatgaat agtatgtat ttttattttg
2041 tattttaaat ttgcataaac agtaccactt tgtatgtaga tacctagata ttgtcttat
2101 aattttacat tgttctccag aagagacttt ccatttctc acctctttaa ttatacctaa
2161 tattgttaga atttaaattt ttggccaatt tgatggattt gtttgttgtc tttctggttt
2221 attgattact aagattgggt ctcatatttc tttaaaacaa acttttactc cattaaactg
2281 atgatagctg gagatgggat tttgcttagc aattctgcac atgtccctgt ttgaggggac
2341 aagtcagaag cctgcagcat gatgctgtgt ctggagggtg cactgtttct agccttccac
2401 tagccagag tggtagcagc ttttcttctt cagtcttctg tgctggctcc tccctacctc
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2521 ctactttgt aggtagtctc atccggcttc ctgacttcag ataccatttc tgtgctgatg
2581 atgccccagt tcattccaca tgtgggtatc attctgactt accccaccag tctctgctgg
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2701 taagcacact tccccatag tcttccgcca tcttccatc tgcttgcca aaaatcttga
2761 agtcatcctt gatgcccatc tttctcacgt gttgcctcta atctaccagt aaaacctttt
2821 ggctcttcac ttcaaaatgt cttcagaatc catccacttt taatcacctc caacacccca
2881 cccagccac atcctctcta cttaaattgct tctggaatag ctctgattg gtctctgtgg
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3001 ttgtgtcatt ctttgctta aaagccccag gggtttctg actcatttgg agcactggtc
3061 aggcacccac caggagctct gtcttctctc ttaccatctc cctgaggctc agctcccaa
3121 ccttccctcc tcgctgtctc agctgcagcc acacgggtct cctgcctctt tcttgaacac
3181 ccgcagcagg cccctgtctc agggactttg cactccttcc ctctgttaag aatgcctct

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FIGURE 1

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3301	gattgacgca	gaagacggat	gattttctgca	tttccaactg	aggtacctgg	ttcatctcat
3361	tgggactggg	tggacagtgg	gtgcagccca	cagagggtga	gccaaagcag	ggcaaggcat
3421	cgcctcacc	aggaagcaca	aggggtcagg	ggatttccct	ttcctagcca	agggacgctg
3481	tgacagacag	tacctggaaa	aacgggacac	tcctgccccaa	atactgcact	tttccaacag
3541	tcttagcaaaa	tggcacacca	gaagattata	ttccgcatct	ggcttgggtg	atcccatgcc
3601	cacagagcct	tgctcactgc	tagcacagca	gtctgagatc	tacctgtgag	gcagcagcct
3661	ggcagagggg	gtggcatctg	ccattgtctga	ggcttgagta	ggtaaacaaa	gaggctgggg
3721	aagctcaaac	tgggcagagc	ccaccgcagc	tcagcaaggc	agactgcctc	tgtagtctcc
3781	acctctgggg	gcagggcata	gctgagcaaa	agacagcaga	aacttctgca	ggcttaaaaa
3841	ttcctgtctg	acagctctga	agagagcagt	ggttctccca	gcatggtggt	tgagctcaga
3901	gaaaggacag	actgcctcct	caagtgggtc	cctgaccccc	gtgtagccta	actaggagac
3961	acctccccgt	aggggcccgc	tgacacctca	tacaggcggg	taccctctg	gggccaagct
4021	tccagaggaa	ggatcaggca	ccaatatattg	ccgttctgca	atatattgctg	ttcttcagcc
4081	tctgctgggt	atacccaggc	atacaggggc	tggagtggac	ctccagcaaa	ctccaacaga
4141	tgtgcagctg	agggacctga	ctgttaggag	gaaaactaac	aaacaaaagg	attagcatca
4201	acatcaacaa	aaagaacatc	cacaccaaaa	ccccatttga	tggttgggtg	tcaccaacat
4261	caaagaccaa	aggtagataa	aatcacatg	atggggagaa	accagaccag	aacatctgaa
4321	aattctgaaa	accagagacc	ctcttctctt	ccaaaagatc	gcagctcctc	gccagcaatg
4381	gaacaaagct	ggatggagaa	tgactttgat	gagctgacag	aagtaggctt	cagaaggctca
4441	gtaataacaa	acttttccaa	gctaaaggag	gatgtttgaa	cccatgtcaa	ggaagctaaa
4501	aaccttgaaa	aaagcttaga	caaattggcta	actagaataa	acagtgtaga	gaagacctta
4561	aatgacctga	tggagcaaaa	ctgtggcacg	agaactacgt	gacgcataca	caagcttcaa
4621	tagctgattt	gatcaagtgg	aagaaagggt	atcagtgatt	gaagatcaaa	ttaatgaaat
4681	aaagcgagaa	gagaagggtta	gagaaaaaag	agtagaaaaga	aacgaacaaa	gcctccaaga
4741	aatatgggac	tatgtgaaaa	aaccaaatct	acatttgatt	ggtgtacctg	aaagtgcagg
4801	ggagaatgga	accaagtgtg	aaaacactct	tagggatatt	atccaggaga	acttcccaa
4861	cctagcaagg	caggccaata	ttcaaattta	ggaaatacag	agaacaccac	aaagatactc
4921	cttgagaaga	gcaaccgcaa	gacacataat	tgtcagattc	accaagggtg	aaatgaagg
4981	aaaaatgtta	aggacagcca	gagagaaaag	tcgggtcacc	cacaaaggga	aacctatcag
5041	acttaacagc	agatctctcg	gcagaaactc	tacaagccag	aagagagtgg	gggctgggtat
5101	tcagcattct	taaagaaaag	aattttcaac	ccagaatttc	atatctagcc	aaactaagcc
5161	tcataagtga	aggagaaaaa	aaaatccttt	atagacaagc	aatgctgag	agattttgtc
5221	accaccagac	ctgccttacg	agagttcctg	aaggaagcac	taaacatgga	aaggaacaac
5281	cagtaccagc	tactgcaaaa	acatgccaaa	ttgtaaagac	catcaatgct	tggaagaaac
5341	tgcataaact	aacgggcaaa	ataaccagct	aacatagtga	cgggatcaaa	ttcacacata
5401	acaatatata	cctttaatgt	aatgggcta	aatgcctcaa	ttaaaagaca	caggcaaatt
5461	ggataaagag	acaagaccca	tcagtgtgct	gtattcagga	gacccatctc	acatgcagtg
5521	acacacatag	actcaaaaata	aagggatgga	agaagatcta	ccaagcaaat	ggaaagcaaa
5581	aaaaaaaaaa	aaaaaaaaaa	aaaaaagcag	gggttgcaat	cctagtctct	gataaaacag
5641	actaaaccag	taaagatcag	aagagacaaa	gaaggccatt	acataatggc	aaagggatca
5701	attcaacaag	aagagctaac	tatcctaatt	atatatgcac	ccaatacag	agcaccagga
5761	ttcataaagc	aagtccttag	agacctacaa	agagacttag	actcccatac	aataataatg
5821	ggagaacttta	acacccccact	gtcagtatta	gacagatcaa	caagacagaa	ggttaacaag
5881	gatattctagg	acttgaactc	cgctctgcac	caagcagacc	taagagacat	ctacagaact
5941	ctccaccaca	aatcaagaga	atatacatte	ttctcagcac	cacatcgccc	ttatttctaaa
6001	attgaccaca	tagttggaag	taaagcactc	ctcagcaaat	gtaaaagaac	agaaatcaca
6061	acaaactgtc	tctcagacca	cagtgcatac	caattagaac	tcaggattaa	gaaactcact
6121	caaaaccgca	caactacatg	gaaactgaac	aacatgctcc	tgaatggctg	atgggtaagt
6181	aatgaaatga	aggcagaaat	aaagatgttc	tttgaaacca	gtgagaacca	agacacaaca
6241	tatcagaatc	tctgggacat	atttaaagca	gtgtgtagag	ggacatttat	agcactaaat
6301	gcccaacaaga	gaaagcagga	aagatgtaaa	atcaacacct	agcatcaaaa	ttaaaggaac
6361	tagagaagca	agagcaaaata	aattcaaaag	ccagcagaag	gcaagaaata	actaatcatc
6421	gagcagaact	gaaggagata	gagacacaaa	aaaacccttg	aaataatcaa	tgaatccagg
6481	agctgggttt	ttgaaaagat	caacaaaatt	gatagactgc	tagcaagact	aataaagaag
6541	aaaagagaga	agaatcaaac	agacacaata	aaaaatgata	aaggggctat	caccactgat
6601	cccacagaat	acaaactatc	atcagagaat	actataaaca	cctctatgca	aataaactag

FIGURE 1 (continued)

6661	aaaatctaga	agaaatggat	aaatttcctgg	acacatacac	cctcccaaga	ctaaaccagg
6721	aagaagttca	atctctgaat	agactaataa	caggctctga	aattgaggca	ataattaata
6781	ggctaccaac	caaaaaaagt	ccaggaccag	atggattttac	agctgaattc	taccagaggt
6841	acaaagagga	gctggtacca	ttcctttctga	aactattcca	atcaatagaa	aaagagggaa
6901	tcctccctaa	ctcatttcat	gaggccagca	tcatcctgat	accaaagcct	ggcagagaca
6961	taacaaaaaa	aagagaattt	tagaccaata	tcctgatga	acatcgatgt	gaaaatcctc
7021	aataaaatac	tggcaaacca	aaccagcag	cacatctaaa	agtttatcca	ccatgatcaa
7081	gtcggcttca	tccttgggat	gcaaggctgg	ttcaacatat	gcaaatacat	aaacataatc
7141	catcacataa	acagaaccaa	tgacaaaaac	cacatgatta	tctcaataga	tgcagaaaag
7201	gctttcaaca	aaattcaata	gcccttcatg	ctaaaaaatc	tcaataagct	aggtattgat
7261	ggaacgtatc	tcaaaataat	aagagctatt	tatgacaaac	ccacaaccaa	tatcatactg
7321	aatgagcaaa	agctggaagc	agtccctttg	aaaaatggca	caagacaagg	atgccctctc
7381	tcaccactcc	tattcaaaat	agtgttgaa	gttctggcca	aggcaatcag	gcaagagaaa
7441	gaaataaagg	gtgttcaatt	aggaaaagaa	gaagtcaa	tgccctgtt	tgcagatgac
7501	atgattgtat	atttagaaaa	ccccattgtc	tcagcccaaa	atctccttaa	gctgataaac
7561	aacttcagca	aagtctcagg	atgcataaat	aatgtgcaaa	aatcacaaagc	attcctatac
7621	accaataaca	gacaaacgga	gagccaaatc	atgagtgaac	tcccattccc	aattgctaaa
7681	aagagaataa	aatatctaag	aatccaactt	acaagggatg	tgaaggacct	cttcaaggag
7741	aactacaaac	cactgctcaa	caaaataaaa	gaggacacaa	acaaatggaa	gaacattcca
7801	tgctcatgga	taggaagaat	caacaacgtg	aaaatggcca	tactgcccac	ggtaatttat
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7921	aagttcatat	ggaacccaaa	aacagcccac	gttgccaaga	caatcctaag	caaaaggaac
7981	aaagctggag	gcatcatgct	atctgacttc	aaactatacg	acaaggctac	agtaacccaa
8041	cagcatggta	ctggtacca	aacagatata	tagaccaatg	gaacagaaca	gaggcctcag
8101	aaataacacc	acacatctac	aaccagctga	tctttgacaa	atctaacaaa	aacaagaaaa
8161	ggggaaagga	ttccctattt	aataaacagt	gctgggaaaa	ctggctagcc	atatgtagaa
8221	agctgaaact	ggatcccttc	cttacacctt	atacaaaaat	tgattcaaga	tgggttaaag
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8341	agaacataga	catgggcaag	gacttcatgt	ctaaaacacc	aaaagcaatg	gcaacagaag
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8461	agtgaacagg	caacctatgg	aatgggagaa	aatttttgca	atctactcat	ctgacaaagg
8521	gctaatatcc	agaatctaca	aataactcaa	acaagtttac	aagaaaaaaa	acaaccccat
8581	ccaaaagtgg	gcaaaggata	tgaacagaca	cttctcaaaa	gaagacattt	atgcagccaa
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8701	agtgaatac	catctcacac	cagttagaat	ggcgatcatt	aaaaagttgg	aagcaacaga
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8821	gttcaaccat	tgtggaagac	agtgtggcaa	ttcctcaagg	atctagaact	agaaatacca
8881	tttgatccag	ccatcccatt	actgggtata	tacccaaagg	attataaact	atgctactat
8941	aaagacacat	gcacacgtat	gtttattgcg	gcactattaa	caatagcaaa	gacttggaac
9001	caaccagat	gtccatcaat	tatagactgg	attaagaaaa	tgtggcacat	atttaccatg
9061	gaatactctg	cagccataaa	aaaggatgag	ttcatgtcct	ttgcagactt	ggatgcagct
9121	ggaaatcatc	attctgagta	aactgtcaca	aggacagaaa	accaaaccac	gcatgttctc
9181	actcacagat	gggaattgaa	caatgagaac	acttgaacac	agggagggga	acatcacacc
9241	ctggggcctg	tcatgggggtg	ggggcctggg	ggagggatag	cattaggaga	tataccta
9301	gtaaatagact	agtttatggg	tgcagcaaac	caacatggca	catgtatacc	ctatgtaaca
9361	aacctgcacg	ttgtgcatat	gtaccctaga	acttaaagta	taaaaaaaaa	aaaaaaaaag
9421	aacgccctct	accagatact	gtgagactta	cgccaccctg	ccttcagctc	tctagcagat
9481	gtcgtttgat	cagtggggcc	ttcctgaata	taaatatatg	taatataaat	atatataaaa
9541	acaaaaggca	cctcaccctc	ttactgctag	catcacttac	gccctttatt	ctgttttctt
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9661	ccaactagaa	aataaattat	ataagggcaa	agatgatgtt	ttgcttgctg	ctgtatcttc
9721	agtccttag	gattgtgcct	ggcaaatagt	aggtaataaa	cagttgttta	ttgaattact
9781	agaaaaaaat	ctctaaaatc	tgtagtctcg	cagcatgtga	agaaggaata	ttagactctg
9841	cctgcctttc	tgaaagtgc	atatacttaa	gtgatgctaa	taggatattg	aagaacatgc
9901	ttcatatggt	tgagccttga	tgatctctga	caggagaaat	ggggtaaac	tttttttaaa
9961	aaggacagta	taatctgttc	ttggcagcag	ctttctataa	tctaggaaat	aattcaatat
10021	tattaatttt	cgaattagat	atagtcggcc	gggtgcagtg	gctcacacct	gtaatcccag

FIGURE 1 (continued)

10081	cactttggga	ggccaaagca	ggcggatcat	ctgaggtcgg	gagttcaaga	ccagcctgac
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10201	tgccgtgaat	cccagctggt	tgggaggctg	aggcaagaga	attgcttgaa	cctaggaggc
10261	ggagattgcg	gtgagccgag	atggtgccat	tgcactccag	cccgggcaac	aagagctaaa
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10441	gttatatggc	caaggctcagt	ataggtattg	ttaatgtgat	aatggcattt	gtttattaat
10501	ttgttattta	ttggttattg	gagcagatta	ctagaaggta	attcaagttt	tttgactatt
10561	ctgtgttctc	atcctcagta	atgatcattc	caggttgata	aagatctggt	ctgtttttta
10621	atagctccag	aggagaaaag	tttattctct	ttttgaatga	tttttttttt	ttatgtatca
10681	cttcggcacc	tattcaatgt	gtgcacaatt	actatcgccc	aggagctcct	ggctgattac
10741	tatgatgtgg	catgagccca	aatttgcaa	ggttcacttc	ccaaggctgg	aatcagggaa
10801	agaccggtga	tggccaaagt	ggtcccagaa	ggaagggaag	gaatttattt	atccctacac
10861	tgctgcattt	ggaaggctgt	tgggtaggag	ggaagggaag	ggcaaacatt	ctagaccaag
10921	gagttgcttg	accgaagaca	cacaggttgg	ggaagaggaa	tagggtataa	gagtgatgaat
10981	gggacagaaa	aacaagagag	ttccacaggg	ccaaggctg	ggaagcaggc	tgggggacag
11041	gtaatatgatg	ctgtgcaggg	gagtttcagc	atgagaactg	ccatttcagg	tttaaaactct
11101	attcactggg	cttgatataca	atgaacaccc	ctgtcatgtc	agttttatacc	catttcttca
11161	tgttctgaca	cttgaaaact	attatttttt	agataggatt	cttgagtatt	ttattttttc
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11281	gctattgccc	ctttaggacc	acatatatct	gactttttatc	ctgggttatg	ttctcaaagt
11341	ttctggagac	aaaagattat	agggctttta	atctgtgacc	cttgaatttt	cattgttgag
11401	gtttgttggt	tgtttgtttg	ttttttgctg	ttgctgctgt	tttattttgt	agtgggaatt
11461	tagacagtaa	tgacagaaaag	aagcatgttt	cattaagtgg	atgatcccat	tcagcaacaa
11521	taataactaat	actcccacag	agccaaagcc	ttttttctgg	gtggatgagt	gttttataaa
11581	agaagtacct	caggacttca	gcctctctca	ttctccacca	gatggagttt	aacagtttgg
11641	atggaaagtc	tgaaatgatt	ttcccttggt	atatcccgtt	ttttatgtct	atgtataaat
11701	gtataatgac	taatttggaa	atagcgctat	caatttatta	aactaggaag	cattatttcc
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11821	tagcctctgg	taaaagatga	ggcctgtact	tgctcctact	taacgcttct	gtatatgttt
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12121	cctgggggct	ggtcactgtc	gagtgagctc	atgtgcctgg	ttccccctg	catcctcttc
12181	acaccccgat	gcgtctccac	ctccctcatc	ataggggata	cctgcccttc	ttggggagca
12241	ggctcttgge	agcagctctt	ttgagaagtg	agccactatg	taaagcctct	gccattcttg
12301	agagtcctgc	ctgacagtgt	attctccatt	ttcttagccc	agtcagttag	gataagtga
12361	aacattgtat	cgtgtaaagt	gggatatttt	aacacacaaa	cttgctgtct	tttcttttta
12421	atggtgaaca	accttttggt	gtatcatggg	gtcttgatat	catctctcat	cttcttaatc
12481	taacataaatt	cgaatattag	tcattgttaca	caaacagact	gctagaaacc	acaccgggat
12541	ttcatttgcct	gtgtgtcaac	agtagaaaatt	caggacaatc	ctctgggttt	gccagcagta
12601	agtttccaca	acagttatca	aagtcagcct	cttttatttc	aaacagtgat	tttggtggct
12661	tttcagacac	ctttcattat	gtcttcacac	ctgcagttat	cgaaggatgt	ctggtctagc
12721	tatatgaaaa	ctgaaaatcc	aaaataaccc	aggaaactct	tttatttcct	gggttctccc
12781	aaacacagtc	gaagtatgtc	gtttcatcat	gctaacagat	tatagatgac	tattagataa
12841	tatagtgtcg	aaagaaaaat	gtcccatatc	aggagccacg	tgtcttttca	ggaaccagta
12901	ctatgaaaca	tcaagtcttg	atcagtatga	aaattgtctt	ctctgttttg	gtaggtacac
12961	ttcctgtttc	ctaacaacag	ggtggtagt	acatcagtag	tggggctcctg	ccgcatgtga
13021	agagggaata	ttagactcag	catgcttttc	tgaaagtgat	gtataactga	tactaatagg
13081	atattttaaga	acatgcctta	tatgtttgag	tcttgatgat	ctctgacatg	gaaaatgggg
13141	taaacctttt	tttaaaaagg	acaaaatttg	ggagacctga	ttgtaaatct	aaaaagtcac
13201	aacccttgcc	agagtttgca	gaacagtagc	cagaaacctc	aggattgtgt	tttaggttt
13261	ataggacaca	tttgggggct	tagtcattta	actgatcttt	tctgttagcat	aaacataatc
13321	atcaccagga	aacgtctctg	agctttcatt	cattaaacaa	aatgtactaa	acacttaaga
13381	ggcagtcagt	gttactacaa	agcaccctcag	tatagtactt	attttttaaa	catcattacc
13441	acttggtaat	atctccgtca	gctcatagcg	ttctggaaaa	agcccaggtc	ttatgctgtg

FIGURE 1 (continued)

13501	tttgtgctga	gttgctccct	tacatgtgca	ttgttttgtt	tttactataa	ggttttctcc
13561	atatttcttt	ctaattaatg	tcagtgtttt	ccaagcatta	tcttcagtct	tttcttttta
13621	aggatcctag	acctgttctc	tactctgcc	accacacccat	acccaggtta	tcattcacca
13681	tcataattgtg	cctgggtccct	ggttgataaa	gagtgttcat	taaaggggta	tgtgaaaatg
13741	atgtgatgaa	aggccacaga	ccccctctga	attctttacc	acccttagca	acagcaggct
13801	gcgcggtacc	tgtcttatct	tttagcagat	ggaattcatg	ttctaattct	caatggaata
13861	aattagggga	tgttgggaaa	cgtttgcggt	taatgaagca	ggaggaatta	tacattttta
13921	taagccagcc	attaaaatgt	ggacattcgg	catttaaaaag	aagtttctat	ttagtttaaa
13981	actagcaact	tgagctgcaa	tgataagaaa	tgctcatggg	aagcctaate	cctctgctcc
14041	actgcacatt	cccttggttt	cttgccataa	aacatgatat	agcctcggga	attttggtct
14101	cctgttcttg	gggtattagt	gactacattt	tagttttcac	cttttggtgc	aaaattcaag
14161	ccgccagcaa	tttgcttttc	atcctttgat	ccgaagaatg	ttttcgtcaa	caaagtctgg
14221	acttcagtgc	acggaatggt	aatgtgtacc	ctcagccgcc	agctaggaga	accgtttaat
14281	atgacgaagt	gcagtggaaa	gcattattct	tgttggaggt	taagtactta	cagtaaaagt
14341	gatgtttgat	cacaggtttt	aaaacctata	tcacatttac	tcttaaaaaat	aatttaggtg
14401	cattttttaa	aattactagc	aaagcttttt	ttccaaatga	aacctgtaga	atatattatc
14461	atcgggattt	ttatagaaca	cattattact	ctttttaaga	aacacttcca	tgtgtagaat
14521	atgaaacccat	aataggcttt	aggattttata	cttaaagcag	tgctaataat	attttgaatg
14581	acacgcacgt	gacacagtat	tttggttttac	ttcctaaagt	taaacattaa	actctgcccc
14641	attatgtttt	taatgatgat	tttatcttta	aaatatatat	atataattgt	attcacattc
14701	tttaaaaaaa	ttttttccct	aggttgccat	tgtttatctg	gctttcagag	caatatttct
14761	aaacatatgt	gaaaaacaaa	aacaggcaaa	cttcaacaac	aaaagaaggt	tgctactgag
14821	tgtacgtggg	ccaggttgct	accctcggga	gcccccttct	tcagggagcc	cctcctgctg
14881	cttttgcgac	tccgactctt	ccagcaggtg	tcaactgtctg	gcagcagtg	gcgagcaggt
14941	tgcggttcac	ctgactcatc	ttcaaataat	aactttttaa	atztatcttt	agggaagttg
15001	tttgacgtaa	atgtatcaaa	actttgacaa	aaatgttgct	acatcatatg	cctgattttt
15061	ccctcatgaa	ttgaaattca	cagaaaataa	aggaattaat	cttgtgctga	tataaaattt
15121	tattgagtat	tagaaacatt	tgtttataat	gagaggggaa	tgtggctggg	aggacataat
15181	taaatgaaac	ttttaggacc	atztatttat	gaatttgcta	agcaaatata	gattccttag
15241	gtctgttcta	gagtctctga	tggctgcaaa	ggggttaagcc	acagtgtctta	ccctcctgaa
15301	gtattagtgt	gtattataca	caccaagaaa	ggaacaattg	taatagaaaa	ggagaaaagtc
15361	agtgtatctt	attggcataa	tgacagggct	cctaagttca	tagaaacctg	tttttgaatc
15421	ctggctttga	tgcattctaa	tcatatacag	tacaagcgct	ttacttccct	tgtggacgat
15481	gggtgtggta	tcaactctgt	catgggtggg	aattagggtt	aaacctggag	ggtgatgtgg
15541	catagatggt	ggcaaaactt	ttaatgtcaa	gggctggata	gtaaatattt	taggctttgc
15601	aagccaccta	ttctctgtca	tgaatactaa	actgtgactg	tagcacaaaa	gcagccacag
15661	acagtatata	aagaaatgag	cctggctgtg	ttccaataaa	actttatcca	caagaaccag
15721	tggagagcca	catgcagctg	gtgaccatag	tttgccaatc	cctgatataa	ccattactca
15781	cctgtaatcc	caacactttg	ggaggccgag	gcgggtggat	cacctgaggt	caggagttcg
15841	agaccagcct	ggacaacatg	gtgaaacccc	atctctacta	aaaattcaaa	aatatgcag
15901	gcatggtggc	gggcacctgt	aatcccagct	actcgggagg	ctgaagcagg	agaatcgctt
15961	gaacctggga	ggcagaggtt	gcagtgagcc	aggattatgc	cactgcactc	cagcctgggt
16021	gacggagcaa	gactccaaga	cttcatctca	aaaaaacaac	aaaagacaac	aacaaaaaaa
16081	ccagttactc	aacatagtat	catagttggt	acattaagta	acatgcagta	gcaaagtaag
16141	cagtatcaca	gagtcataata	tgacaagtgt	tttgagtcca	taacaagtc	tcgttcttgt
16201	cctcgcagac	ttgttgatcc	caggcaaggc	acttttcctt	tctgggtctt	ttatcagtac
16261	gacttttgat	tcagcagcag	tagtcttggt	tagggggcag	gggcagaggt	taagggggac
16321	agggaagtat	ataaaggact	tttattctta	tgaatccaaa	cagagggcag	agttgtctgt
16381	gctttgtttt	ggtgccatgg	atgtttaaaa	ggataccatt	gtcttctgtt	catttaagct
16441	acccatttta	tcttttctct	gttaccacga	atatcagtc	tgtttaacaa	atatgtaatg
16501	attcaaaaatt	catttgcagg	tttttaaaact	ttgacagtgg	tctcctctag	cagagatttc
16561	agatactatg	tattcagaga	cagaaacatc	attctgtgct	tatctcagtg	aaagaaaccc
16621	aggaaaggaa	tcccagcccc	tcctacatcc	tctccaagct	acaggcatgt	gggtcatcca
16681	ggagggggaga	aggagcagca	gaagccacc	tgggtgtctt	ctcaccata	ctgctaattc
16741	tgacctgacc	tgaaatttaa	tataatcaag	gcaaaaatcag	attaaaatgg	agccaaaatg
16801	ttttacactt	caaatagttt	ttacgtacat	aaaaaatata	tggtgttcgt	tttaaatat
16861	tcatattatt	tgcataatgct	aaaaaagaaa	tcagcatgct	tcttgaaatg	tcttaacaat

FIGURE 1 (continued)

16921	ttaaaaatatt	tataatataa	ctgattcttta	aactttttata	taatgcagta	tatttgaaat
16981	tttaaaagtt	caattatttta	cattctcctt	gggaactaca	ttttatatat	tctgttactt
17041	gtaatcaaat	aattatatga	cattcttaatt	gtctgtacct	acaaacattg	aattcatgca
17101	tattttataag	gtagcttatt	gactataaatt	cattgttgac	ctttctgatg	attctgtagt
17161	tagatttttta	aaatatgatt	gaatgtggaa	tatctaggca	tagactaaca	tgggtttgaa
17221	tcttagctgt	gacattttatg	agctgtgggc	tcaacacttt	aaaagtaatt	aactgcattt
17281	ttcatctttt	aaatcattct	ctgagaaaaa	gtcaactcct	taattagtcc	ttgtttgaat
17341	tatgatcaaa	tagtattggt	ttgtacagaa	tgatgctaac	ttaggatcca	ggctatagat
17401	ggctgcaacc	ggaatagagc	catttagtca	tcatatgtac	aatagagtaa	gaaatgcaaa
17461	aaaaaaaaaa	aaaaaaaaat	agatacaaga	taagagcact	tttaggttct	aagaatttaa
17521	aatgtgtatc	taggttagag	tgaattgggg	tgaattttcc	tgtgcttcca	agttaaccag
17581	tagaagtgtt	gaaattgatt	tcaagaattg	atagtgtcct	attaaacaat	cagaagacag
17641	aaggtactag	tgagaagtct	tgatttgact	atggggctaa	tagggagggtg	cttgtttgtc
17701	aagcttatgt	gagagaatag	ctgtatcagt	agagtaaaag	accctagagc	gggctgggtg
17761	cagtggctca	cgctgtaat	cccagcactt	tgggaggcca	aggcaggtag	atcacttgag
17821	gtcagggtgt	caagacccgc	ctgaccaaca	tggtgaaacc	ccgtctctac	taaaagtgca
17881	aaaattagcc	aggcatgggtg	gcgatgcct	gtgatccag	ctactcagga	ggctgaggca
17941	agagaatcag	ttgaagctgg	gaggcggagg	ttgcagtgt	catgtgtatt	ccatatatac
18001	aagtgaagat	atgaatccat	actgataact	tccagtcag	caccactgaa	tttattctag
18061	tcgtctccat	ttccttctct	tcttcacca	cagtggagaa	cctgggtcgc	acctacagta
18121	tgtttacata	tttgctcagt	tctagtatat	aaataaacta	gtttcagaaa	tccttacctt
18181	tactcctgta	agaaacagat	ttaaaattac	gtgcagcgtg	tgccattctt	gtctctagcc
18241	ttcacagtct	ccagtcaaaa	ccctctttgc	caaggttatc	taggacagga	ccttactttc
18301	catgccctta	gcgtggctgt	gccatccatg	cagctgcagt	cagagccgtc	tgtctcagct
18361	tgcatctctc	ttaggttcac	ctcacatcct	agttgattcc	gtttttattt	acttacaata
18421	gaatttactt	tatggtgtat	agtacgtggt	ttctgacaaa	tgcatagaat	tgtatgttca
18481	tcacatggac	acaaggaggg	gaacatcaca	caccagggtc	tgttgggggt	gggggacaag
18541	gggagggaga	gcatttaggac	aaatacctaa	tgcatacggg	gcttgaaacc	tagaagacgg
18601	gttgatgggt	gcagcaaaacc	tccttggcac	atgtatacct	ccatggcaca	tgtatgtaac
18661	aaacctgcac	atttgccaca	tgtatccctg	aacttaaagt	ataataaatt	ttttaaaaaat
18721	tgtgtgttta	tcccaccttt	cttttctaatt	gttggtaatt	tgtatcttct	ctctctcttt
18781	cttggctagt	gttaccagag	aatttttcta	agaaccagc	ttttggtttc	cttgcctttc
18841	tctatttttc	ttttttcaat	gtcatcattt	ctgttcttat	tttgattatt	ttttccctct
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19021	tgcattagtt	acatcccaca	aaattcgaat	gttgtgtttt	aattttcctc	cagttgaaaa
19081	tatttgacat	gtttttgagac	ttcctcatta	acccaatgaa	tatttagaga	tgtgttcttt
19141	tttttttcca	acttctaagt	tcagggggtac	atgtgcaggg	tgtgcaggtt	tgtgcacag
19201	gtaaacgtgt	gccatgggtg	cttgctgcac	aaaccatctc	atcatctcag	tattaagccc
19261	agcatttctt	cctgatgttc	ttccccaca	ccctatcac	cccccaacag	acaggcccca
19321	gtgagtattg	ttccccccaa	tgtgtcctcg	tgttttcgtc	attcagctcc	cacttataag
19381	tgaaaacatg	cggatatttg	ttttctcttc	ctgcattagt	ttgctgagga	ttatggcttc
19441	caaatccatc	tatgtccctg	caaaggacat	gatctcattc	tttttgatga	ctgcagagta
19501	ttctatgggtg	tacatgcacc	acgttttcct	tatccagtct	atcattgatg	ggcattcagg
19561	ttgattccat	gtccttgcta	ttacgaatga	acatatgcac	gcattgtatc	tttatagtaa
19621	aatgatttct	gttccttttg	gtatataccc	agtaatgtga	ttgctgggtc	agatgggtatt
19681	tctgcagagg	tctaggtcct	tgaggaaatca	ccacactgtc	ttccacaatg	gttgagctaa
19741	tttactactcc	cactagcagt	gtcaaagcat	tcctttttct	ctgcaacctc	tccagcatct
19801	gttaattttt	aactttttta	taatagccgt	tctgactggc	ctgagatggg	atctcattgt
19861	ggtttttgatt	tgcatttctc	taatgatcag	tggtgttgag	cttttcttca	tgttgttggc
19921	tgcatgtatg	tgttcttttg	agaagtgcct	attcatgtcc	tttgctgct	ttttaatcgg
19981	gttacttttt	ttcttataaa	tttgtttaag	ttcctttag	actctggaca	ttagaccttt
20041	gtcagatgga	tagattgtga	aaattttctc	ccattctgta	ggttgtgtgt	tcactctgat
20101	gatagttcct	tttgttgtgc	agaagctctg	cagtttaatt	agacccatt	tgtcaatttt
20161	tccttttggt	gttttcgtca	taaaatcttt	gcccgtagct	gtatcctgaa	tgatattgcc
20221	tagattttct	tctaggggtt	tcatagtttt	tcattttaca	tttaagtctt	taatccatct
20281	tgagtttaatt	tttatatata	ttgtaaagaa	gggggtccagt	ttcagttttc	tgcatatggc

FIGURE 1 (continued)



20341	tagccagttt	tcccagcatc	gtttattaaa	tagggactct	ttccccccat	cacttctttt
20401	tgtttgttga	agatcagatg	gttgctgggtg	tgcagtcctta	tttctgagtt	ctctattttg
20461	ttccgttgat	ctatgtgtct	gttcttgtac	cagtatcatg	catgtgttct	tttaattctgc
20521	aataatttga	tggtttttca	gatacctctc	aattaattga	tttctggttt	aattctgttt
20581	tcatgtaaaa	acacactctg	tatggtttct	actgatttta	aatagttgag	gtttattttg
20641	tagctcagaa	tatggtatgt	actgggtgaat	gttccacata	cccttatata	aaaagtatgt
20701	tctgctgttg	agtggaaacat	ttctataaat	gtctattagg	tcttgatagt	gttttgcggg
20761	tcttttatgt	tcttcctgat	tttctattta	tgtgtcccat	taattaccga	gagtggatta
20821	ttgaagtctt	cagctctgat	tatggattta	tttttttcag	tttccgctcc	tttatttcga
20881	agctctattg	cgtacacact	taggattggt	atgttcattg	gatgacctat	atcattatgt
20941	aatgctcctg	tttatccttc	ataatattct	ttgctctgaa	gtccacttcg	tctgatatta
21001	gtatagtttc	tgcagctgta	ttttagttat	tgattttatg	tatatctttc	cccaaacttt
21061	tattttcagc	ctacttatgt	ctttatatca	atatttaaaa	tgcgttttct	atatacagta
21121	tatacatggg	acttgcattt	tattcagtc	tagtcatttc	tgtcttttaa	tttatgtgtt
21181	agaccacccc	ttttaatggt	attatttgtg	taattggatt	aaaatgtacc	aaatggcaa
21241	ccgttttctg	tttgtttcat	ttttgggttt	cagtttttct	ttgatgcctt	ctctagtatt
21301	aaactgagtgt	tttttatgat	tctgttctat	ttcctctact	gacttattat	ttatactttt
21361	aaaaaattgt	atttatctac	cttcagataa	tattacattg	ctttacatgg	agcctataga
21421	ctttactgca	gtttatacac	agctccttct	ttccgtgctt	tatgctattg	tggccatacc
21481	tttttacatt	tacatctact	gtgaacgcac	agtacattgt	tttacacatt	caggtatctt
21541	ttagagcaat	taaaaaataa	gaaaaaaaat	tgtgtcccca	tttattctat	tttactgct
21601	ctttgtttgt	ttgtgtagat	ccgggcctcc	atctgatgtt	gtgttccttc	tgcctgagga
21661	acttccgttt	aacatttatt	gtccactagg	tcaagcagct	ggcaatgaat	cccctcagtt
21721	tttgtttttc	taagaaagtc	tgtatttctc	tttcatcttt	gaaaattatt	ttcaatgggc
21781	atagaattct	ggatttaaca	gttttcttga	tattgttacc	atatttttta	tttgcaccat
21841	tttcattgga	ttctttttta	tagttgtcag	cactcagctg	aaagtcccat	ctgttattgt
21901	ctacctttcc	cttttagagcc	ttcaaaaata	gaaccatagt	tatttttaaat	tctcagtcac
21961	ttctaacata	ggtgtcatat	ctgactgtgg	ttctgattat	tgttttgtct	ctctgaagta
22021	tgtttttttc	ttgccttctt	gtatgccttg	taattttgtg	ttgaaagctg	tacatcttgt
22081	gtaagacagt	agagacccat	ggaaattggt	tgtatcctag	aaatgtgcat	gcctctcctt
22141	cctagaggcc	tttagtgtgg	gagttagagt	ttatctagtt	aggagtttgc	taggtttgag
22201	agattttgtg	gcagctatcc	tcactgcagg	aaaggcttca	tgttcctgta	gagatacctt
22261	gtgttttggc	tgggggttgg	atcacaagaa	catcacctgt	tcagttctag	ttttaggtct
22321	tccttttgca	ctatgcctca	gaaagggtct	ctctgcacat	tcttgtttct	ctgtttctct
22381	ccaagcactg	ttttgttacc	tgtaatgcta	agctccttag	cttgacattg	tggggcaagg
22441	aggaggatgg	ggtgctgtct	ctgttccgat	tgagttacag	tctcgtacct	gcaccatttt
22501	cttaggtttc	tgggctgtga	ccttctcagt	tctcctccct	ctccccaaag	tgttgtggga
22561	gtttctgtgt	aatcctgtcc	ctccccagg	agacaggttg	tatgtgtatg	tttttcttgt
22621	tccctttcca	cactgcagtg	agttttcagc	agtgtcctaa	ggacaacagt	gcgtgccgcc
22681	cttctcctca	caggataggt	cttttgtttt	cctgggtggag	acaggggaga	tggatccagg
22741	tgtagtctct	tgccactcct	ctagagttac	tgttctctct	ccccatatct	ggaacacagc
22801	ggacacttct	tacccacccc	tcctgtgagc	acctgggtga	tggctatggc	atagatcctg
22861	tgtgagaatg	taaccctcag	aggtttcaca	caatcttggc	agccactctt	tgactctaac
22921	cagatacttg	agcgggactc	ccctgactgg	ggttctgttg	tgtctgccct	cggtgacaca
22981	agcttgtgtc	tccttagatt	ttgggctgtt	gattatctgg	gacctcggct	tattgatggg
23041	tttggaaaaa	gttaataagt	ttaaagttag	gctgtacgtg	tgtgtgtgtg	tgtgctgcgcg
23101	cgctgacag	tgcacgcttg	tgtgtgtgtt	taacgtaaac	agggtcccatc	cttgttagac
23161	tttacagcaa	gagcagcctt	gaatgaaatc	atcctttctc	tccagtaact	tattctccca
23221	gtcattcagt	tctcttttagt	ctttttacaa	attttacttc	tttaaagaag	atgcgtctcc
23281	aaaaaaaaaa	aatacctaata	ttgtactcta	tgtggcaaat	tcaagtcaaa	ttgaggatga
23341	ctcgaatttt	acaatgcca	acaatcctga	tggccaactg	tcttattctt	ccccagggcc
23401	ttctcctcag	ccagggcgga	ggctcggtgt	gggcagggtc	cttgtctttt	ataatcctcg
23461	cagagttgcc	aaacctataa	aaaattttta	aaataggcaa	ggtagagaag	tagctgaggt
23521	gcaggagtct	gggtattttac	ccagaaatca	cacattctgt	ctccagcata	ggcccttaga
23581	gccagtcaat	actttgggtat	tattttattt	cattacttat	tttacagcat	aatagtagaa
23641	ccctaaaagc	aaaagcctta	tgaatcaca	tgttaacaga	acctaaatgc	atgtttcatc
23701	ttagagtttt	ttaattataa	aagtagcaca	cgtttgtgat	aaataatgta	aaatgtcaag

FIGURE 1 (continued)

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23761 ttcttttcat cccctagaaa taatcacccct ccaatctttt ctatgggtct tctaaggctt
23821 ttctctaaac tcatttttgt catatacaaa gaaaaagtaa aaaattaata tctaggccat
23881 ttgggaaagg cagcctattg ctgtgtgctc tgtttacatg tttgtctctt ttcaaaaaaa
23941 tacctgtaag tgcagaatgt atcacagcta aactgtacat tgtctaattg catctttatt
24001 atatctcagt gacattcctc ccccataact aaattttatt aagctttcag tgggaaagag
24061 cctctaattt gcaagatttt gaaaatgtga agagttaaag agttccacat gagcttatga
24121 gatttttgaa actatttcct ggatcatctt gaagattcct tgttaaactc agtttcacat
24181 gatgttaaga ggctgatact aacgactttt agataatatc cccctttcta tgaggaatgg
24241 gttgaatcat atcacagaag aaattgacag gaaattgtag catctctctg agtaaataag
24301 aaggcttaca cattaggtga atatgacgac acggaggacc attgaaacat gcctgtgtca
24361 accaaaaagaa gaagctaaag cacaaagtgt ggttgaaaga gttgacttga gccagaataa
24421 ggacagctgc ccagatgact caccctaaact gcttgcttgg cctttgttac aggcagattt
24481 ttaaaggcaa aaagaaaaaa acaaaaaacaa aaaaacagga ggcaggggag gggggccggg
24541 gttaccgagt agactgttag acagttctgt caggaattct catggatata cagaagaatac
24601 agtgattagt gactgcctgt ccacggttaa gctatagaat gtgggatata gtgtccagt
24661 ccacattact aggttaattc acagctacct gtggcaatgg gaagcagctt cagtaaagt
24721 tggagtagga tgtgattgct gtctcatctt aatgcctctt tggggcctag taatttgaaa
24781 gggcccacat tcctcagata aaagtccttt tctttcctca tctataatac tattcaaatc
24841 taaagaaaat gtatgttgct cacagatacc aacagccatc agttttttgt gtttgattta
24901 atttgttcag taaaaggaag atacaaaata gggaaaaagc tcaggaaaag agttgcgttg
24961 aactctttat taattttata tgtagttcag ttgtgtttta aagattttca agtgcaatct
25021 tagaggcctt catttccttg tttcttgatt accctccacc tgcctcattc cccttctgag
25081 agtcatttcc cattcctcgt ccttgacccc ggcctcctcc gcagagctgc cctcctctga
25141 atcctgatgg ccaactgtct tattcttccc cagggccttc tcagccaggg cggaggctcg
25201 ttgtgggcag ggctcctgtc ttttataatc cttgcagagt tgccaaacgt ataaaaaatt
25261 tttaaaatag cacttgtgca cttggaaagc attccatcac atacctcttg gttgtttta
25321 ttagatgaaa aacagagatt cagttatgag cgatctggat atgatcttga agaactctgat
25381 ggccagatg aggatgacaa tgaaaatgaa gacgatgatg aggacagcca ggcgaaatca
25441 gtcctgtcag ccacaccctc agtcacagct agcccgcagc acctccatc tagaagtagc
25501 cttcaggacc ctgtgagtac tgacgaggat gtcaggatca ccgattgctt ttctggggta
25561 cacacggacc caatggacgt tctgcccagg gcgctgctca ccagaatgac tgtcctgagc
25621 acagcacagt ctgactacaa taggaagaca ctctctccgg ggaaggccag gcagcgtgct
25681 gcgagagatg aaaacgacac aattccgtct gtagacactt ccaggctccc gtgtcatcag
25741 atgtctgtgg actaccctga gtcagaagaa attctgagaa gttctatggc agggaaagct
25801 gttgctataa cacaggtaaa tgattggcag ttgttctttt atttcttttt tcgttttaac
25861 ctattaaata tggagaactt aatggcttaa gaaaataatg cacttaagtg atttttttag
25921 gccaaatcag tttgtatagc tttatttttt tcttgatttt aagggtagag ggtatttttg
25981 ccctttggag tcttgttgag tatcttaagc agttcagata ttttattgta aatcattgaa
26041 agaaccaaat ggttcttgaa aaatacaccc atttattttt atttgctttt tgaaaaaatt
26101 ttgaaattaa aaaaaaaaaa aaacgtgaca gtggcgaaca caagtcccgc aactgattta
26161 tctgctggcc ccttctgagc agtttctcca ctggtgctga tgtgatgatg gatttttact
26221 gacttaccca aacattttgc actttgcccc cattggcaag acagctacca gtttctatgg
26281 caaagttaat gtgacccgaa aacacatcaa gaagttcact ttgcttgaat tatcacattg
26341 ctacagcagc ttgggagagc tttctgcccc agaactatct caaggcaggc acaggcctct
26401 gaaaagtcac gctccatgtg ctgtgagtga gtccctgctc tacctctggc tgttttgta
26461 caaatgatta attctgggag gaatacattc ttccctcatt gacagttctc ttacctctag
26521 tatgtattga atattgcaat aggatttatg cctaattgtg gcagattgtg ctgtaagcgt
26581 ctctatccca aaacctctca gacacttacc agtgcttggg aatctgggtt tcagtagaca
26641 tttcataaac ttgcaagtga tagacaaaca accagagaaac tttttcatag taacatctct
26701 tcacaaataa ttcttttagt catttttccc cattgagttg acatagccaa cttgaatctc
26761 aatttctcag taactcttaa tctctaaaat aagggtggagc tggtagtgcc agaaacagaa
26821 ataataacaa aatagcagc ttaagaatat agctgtgtcc acttctcaga gttattctct
26881 gtgtacaata tgacaaaatc caggaaattt gcttcagaca tgcaaaagac tatacaagat
26941 gtattgccat tatttctacc agaaacgaaa ttaaagatgt aataattgtt taattggaag
27001 cttattttta aaaatcgaaa aataatttca ttgcagcaaa catcattttt atcaatgcaa
27061 atatacttac ttttatctca ttgtgaagaa atagatttag cactagcttt atatctcagt
27121 gattacaaaa gacctgtcat aaaaggattg ctctctcttg tcatttagag cccatcatct

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FIGURE 1 (continued)



27181	gtaagacttc	ctcctgctgc	agctgagcac	agcccccaga	cagcagcggg	gatgccttct
27241	gtggcctcac	cacatcctga	ccctcaagaa	cagaagcagc	aaataactct	acagccgact
27301	ccaggcttgc	cttctcccca	cactcatttg	tttagccacc	ttcctttgca	ttcccagcag
27361	caatcgagga	caccttataa	tatggttcca	gttgggggga	tccatgtggg	acctgctggc
27421	ctcacatact	ccacgtttgt	gccccctcag	gctggaccag	tgcagctcac	gatccctgct
27481	gtcagtgtcg	ttcacagaac	tttgggtact	cataggaata	cggtcacaga	agtgtctggc
27541	actacaaacc	ctgctggagt	ggctgaatta	agcagtgttg	tgccatgtat	tcctatcggc
27601	caaatccgcg	tgccaggcct	tcagaacctt	agtaccccag	gcttgcaagt	actcccctcg
27661	ttaagcatgg	aaaccgtcaa	tattgtaggc	ctagccaata	caaatatggc	cccacaagtc
27721	catccaccag	gactggctct	gaatgctgtc	ggactgcagg	ttctgactgc	aaacccttca
27781	tcacaaagca	gccccgcccc	tcaggcacac	attccagggt	tccagatcct	gaacatagca
27841	ttgcccacct	taatcccctc	agtcagtcaa	gtagccgttg	atgcacaggg	agctccagaa
27901	atgccagctt	cccaaagcaa	agcatgcgag	acacaaccga	agcagacttc	tgtagccagc
27961	gcaaaccagg	tcagcaggac	cgagtctcct	caggggttac	ctacagtcca	gcgggaaaat
28021	gcaaaaaaag	ttctgaatcc	acctgcccct	gcagggtgacc	atgcaaggct	tgatggcctg
28081	agtaaaatgg	acacagagaa	ggctgcccct	gcaaatcacg	tgaagcccaa	gcctgaactc
28141	acttccatac	agggccaacc	agcgtccacg	tcacaacctc	tgctgaaggc	acattctgaa
28201	gtttttacaa	agccctcagg	ccagcagact	ctctctccag	acagacaggt	tcccaggccc
28261	acagcactac	cgcgagggca	gcccactgtg	cacttcagcg	acgtgagcag	cgatgatgac
28321	gaggacaggc	ttgtgatagc	aacctgatgg	atttttattt	ttatttgctt	tttttttata
28381	taacacttaa	aggtttcttt	gaaaaccctc	ctttccttaa	agcacatttt	tctgacataa
28441	actcatgact	aatctttgtg	caatcatgaa	cttttgacca	ataattgttg	ttttgtgtca
28501	gctccagcca	tttttgtaca	tgttgtatag	acaattgtgc	cttttaggag	ctttatgttt
28561	agaaactgta	cagattgttg	aatatctata	tacataaaaa	tatattatat	atgtatatga
28621	aaaccaggta	gttattttgtg	tttagtaagg	aaaacctgtc	aaataaatca	aatgattaaa
28681	ttatatgttc	cactgttgaa	tataaatttt	atggctatgg	ggcagagttt	ctgtgtataa
28741	attagtatgt	aaactccata	tttattgtat	tcatattagt	ctttgaaaat	gggtctgtcc
28801	tccttgtgta	agacagtaac	tttacacttc	agacagattt	tctgtgttat	gaaatgtttc
28861	agtaaaatat	tgtttactga	ctttaccatt	gcttcagttg	tgccctcttt	atatcatcca
28921	gtgatcagtg	atctgcattt	ggaaaatagc	cctgggttcc	attctttcca	cattcccctc
28981	aacccttcat	tttttttata	aacagagact	ttactgcct	ttctaccatg	tgaaactgta
29041	actgaaatcc	atacaactga	ttgacctatt	tttcttattt	gtgagaagtc	atttcatagt
29101	tattattaga	agactaaata	tataagaata	ctttctgtat	atacataaag	catatagcct
29161	aaaatgggca	acgttcctaa	atgaggggat	ggaaatttct	gggaaacatg	agttaaacc
29221	cattgtcctt	agaattttggc	tcagatgaga	cccgataaac	ctcattttcca	ggctccaaca
29281	ccagatccat	tcgtgggcta	tgggctcttc	tttcccttga	tgctgttaaa	ctcacagagc
29341	tctgtccagc	actgaaactac	agagtgtcca	agattaccga	agagccaaat	tcagacttct
29401	aaattactta	agtgaactct	tttagacatt	actatttcct	gtcctggaag	gttgaaacct
29461	cottatttcag	gaaaatatgg	cggcatgggg	agcccccaat	taccagtgc	gtgatttgca
29521	ttattaatga	ttatagatgc	taggtttatg	agaaaagtat	tttaatgttg	gaatttaaat
29581	acttagcaca	tcattaagtc	aatgtattca	cattttttaa	ggcttgctta	acaaagattg
29641	cagagacatg	aaataagtaa	gacaacagca	tggtttgcca	gggtgagagg	aggggacagc
29701	ctatctacta	aggggttttg	agacctgctg	ctagccaacc	cagcttcacg	tctgtgactt
29761	tgcaaagacc	tggcattttca	acttgcgat	ccttatctca	attaggatct	ccaaggtgtg
29821	ctgcagtccc	agcacgcact	ggtggatctg	tgatgcttta	aatgaatgct	tcaatttaca
29881	tttacaatatt	tccatagatt	aagtaacaaa	attctctcaa	aaacaataaa	actacatttt
29941	tatattctga	gatagctttg	gaaagaattc	tggaaatata	tgctctaggg	attgctgtgc
30001	cctatcaata	atagctgttg	aaaatgaggt	ctgttttctg	tccagtttct	caaaattaat
30061	gttttaactg	tgcatgaac	tttttattgc	ctaaaatttt	aaagcagtat	aataagcata
30121	ttcttaactc	cataattaag	tacagatgac	ttctctaaat	tcaaaaataa	tgcttgaggt
30181	tttttagcatt	gagggtttttt	agtttctata	gaattttctt	aattttaaaa	attcctatac
30241	ttaaagacaa	gtgttacgat	gtgagtggat	gttcccttga	aattttcata	atgctgtaat
30301	gtaccttact	cttattttgt	acttttcaag	attcttattt	tgggcttttc	aaaattcaat
30361	gcacgttgca	aataccttta	ctattggcaa	ctttcaagct	ttattgtagc	ctttcaagta
30421	ttttgctagt	atttgaaata	tgcagctcta	taaaaaatat	taccaaagtc	taagccatta
30481	tattttgaaa	ttacatgcac	aaaatagaca	agggacaacat	aattttgtgc	tatttctccg
30541	aagtcgtcct	ttcccaagga	gcagtgtcca	cttgatactc	ccaaatataa	acgacttcca

FIGURE 1 (continued)

30601	aataatgttaa	ttcgggagaac	taatgggact	acatttgact	tttattctgt	tgcactgtcg
30661	tgtgtggaga	cccaggcctg	tagagaacta	gggtgcaatg	acatagtaag	ataattttatt
30721	gacaaaacag	gtgaaagttt	taatgtgttaa	caattttcaat	accttgtgtg	aatccactgc
30781	aatgccatca	tcagaagtac	tggaaaaaac	agctgaagaa	ccacaggctg	tttttctagt
30841	taaagattat	tatatctggc	ttatgaaaat	gtattataac	ataaatcgag	ggcgttccaa
30901	taacttattt	tcattcccta	aacttttaagc	caaaatgata	attattttctt	tcgaaatgat
30961	aattaaccga	tggatttgaa	tgtacaaaatt	ttgtttctca	gttatattttt	tcataatata
31021	gacctgattt	tcctttcaca	gaaacagtat	aagtaacacg	tttcttacta	attaatccct
31081	ggcctgaatt	ttaaattgata	gcagtttaata	aggattatgg	aaaataatca	ttatttttgt
31141	tggaagactg	tcaagatagt	taatagatct	tgattcatgc	tcagttcaaa	ttataacatc
31201	agggttcttt	ttgacttttc	tgtttttcat	cttacatttt	gcagtcaact	tcaaataata
31261	ccagaaagat	gatttttcatt	aatttttgttt	caaaaccatc	tataaattct	aaatacagca
31321	tgtatatcac	cttaagaatc	ttctctcaaa	gtgacttccc	atgacttaaa	attctaaatt
31381	tcctacttaa	tattcaaaat	atgtattttg	taatatatat	ttgtatatat	ataatatatg
31441	tatatattac	atgcatgtta	tatatacgtt	atattacatg	tatatataca	tgttatatta
31501	catgtatata	tacatgttat	atatacatat	acatatatat	gttatatata	catatataca
31561	tatatgtgta	taatatatat	acatatatac	atatatgcat	aatatatata	catatataca
31621	tgtgtatatg	tgcgtgtata	atatacatat	gtacatgtgt	agatgtgctg	atataatata
31681	tacacatgta	catgtataga	tgtgcgtata	taatatgtac	acatgtacat	gtatagatgt
31741	gcgtatataa	tatatacaca	tgtacatgta	tagatgtgctg	tatataatat	atacacatgt
31801	acatgtatat	ctgcgtatat	tatatataca	tgtacatgta	tatatgtata	tattatatat
31861	acatgtacat	gtatatatgt	atatattata	tatacatgta	catgtatata	tgtatatatt
31921	atatatacat	atacatatgt	gtatatatac	atatatatgt	gtatatatac	atatatacac
31981	atacacgtat	atatgtatat	tatatataca	tatatacgtg	tatatctata	ttatatatac
32041	agatatacgt	gtatatctat	attatatata	gatatacgtg	tatatataca	tatatacata
32101	tatatacata	ttatatacat	atatattata	tatacacgata	tacgtgtata	tatacatata
32161	tacatatatt	atatacatat	atacatatat	acatatatta	tatacatata	tattatataa
32221	ttatatatac	atgtatatgt	atatattata	tacatataca	tgtatatatg	tatatatata
32281	atattttata	taatatatatt	tagtggcaat	aactccctgc	tctcattacc	aagtggggaa
32341	aaaaaggaga	aaaggtttaa	agcaagaata	gcaaaatgtt	tttctataca	aattatatac
32401	agactgttca	caacttacta	tggttcaatt	taatgatttt	ttcaacttta	caactgatgtg
32461	aaaatgataa	gcattcagta	gaaaccatac	tctgaatttt	gatatctttc	tgtgctagca
32521	atataggggt	tgatctctta	tgatgctggg	cagcagcagg	agccaaagct	cccagccagc
32581	tacgtgattg	taaccacaaa	cacactacag	tgcactgtat	tcaatacatt	atacgagata
32641	ttctagactt	tatttatattt	taaataaata	attgtttagat	gatgttgtcc	aactgtaggc
32701	taatgtaagt	gagcacgttt	aaagttaggt	aggctaagct	atggtgttca	gtagggttaga
32761	tatatataat	gcttttttgt	cgttgttgtt	gttgaaacag	tcttgctctg	ttgccaggc
32821	tgtagtgcag	tggcgcaatc	tcagctcagt	gcaacctctg	cctcccagg	tcaagtgtatt
32881	ctcctgctc	aaccaccga	atagctggaa	ttgcaggcac	acaccaccac	actggctaatt
32941	ttttgtattt	ttagtagaga	tggggtttca	ctgtgttggc	caggccaatc	ttgaactcct
33001	gacctcaagt	gatccgcctg	cctcggcctc	ccaaagtgt	gagattacag	gcatgagcca
33061	ctgtgcccgg	taaatgcatt	ttttatttag	gatattttca	atttacaata	gattcattgg
33121	gatgtaaccc	catggtaaat	caaagaacat	ctgtaatctg	aaagtcatga	tgcatttact
33181	taaatatatt	ggattcctag	tctttgcaca	cacagggtta	tctggaacct	tgtttataaa
33241	ggttctctgg	aaggcactgt	aggcataaga	gacattatct	gctcctaggt	gttcaactgtc
33301	ttctgaatct	ggcttgggtt	tgaagaaaac	gccagacat	ccaaaatcca	gtaataattt
33361	aagtaccaac	caactccaaa	agaaattaga	aggtacagtt	tctaccccag	aggagaatgc
33421	ctgcttaaga	cagatcaggt	aaactaggac	atgacaatag	accacatcat	agagaccaca
33481	gacttttaaaa	atgtatgaga	gttaagaaaag	tgattgtctt	aagaagttaa	agaatgattt
33541	gtgtatacag	gggattgctg	tattttgaag	gaggtatggg	atttgggact	ttagaatata
33601	catgatgcta	aggagtagaa	caaaaatagt	agtcatgaag	tctaagacaa	atgtgtgcca
33661	gggaccagtc	taagtggaaag	agaggattca	ctcagacatt	cgataaatatt	tatttagcac
33721	caatagtgtg	gaaagcactt	tgggacctgt	aatcccagca	cttcgggagg	ccaaggtggg
33781	cagatcatga	ggtcaggaga	tagagaccat	cctgggtaac	acagcgaaac	cctgtctcta
33841	ctacaaatac	aaaaaaagta	gccgggggtg	gtgggtgggca	cctgtagtcc	cagctacttg
33901	ggaggctgag	gcaggagaat	ggcatgaacc	tgggaggcag	agcttgcagt	gagctgagat
33961	catgccgctg	cactccagcc	tgggcgacag	agtgaagactc	tatctcaaaa	agaaaaaaa

FIGURE 1 (continued)

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34021 aactttg gga atgcaaattt gatgcaaatt aaatgatgcc tgtccttcag gagcttcagt
34081 tctagtagaa gagtaagtaa gcaagatgca aggtatcttg aatggcaaaa gaaggtagca
34141 ccgagtcag caggagtgcg aatgaaggag aattcctggc tgagttgatg agggagtgcg
34201 tcaaagagaa tgagacattt aaatatggcc ttgaaggagc ttggttaagc agagacagtgc
34261 gatgagacag aacagacaga agcactgtgg aggagaatcc gtatttatcc ctacggcgtg
34321 ccattctataa tcttatgtaa tcattccaag caggaaggat tatctcttcg ttttataggt
34381 ggagaggctg caactcacag atgtgatgaa accttgccat gcagatgctg ggatttgaag
34441 ccaggatggt gtgatgcaac agcataacac ataagcaaat agtagggaac gtgaaagggc
34501 attgagacca agggaataaa ccacattttg ggatttagca aggcattctga cgaagccgca
34561 ataattattt ggttggattt aaggatgatt agtacggtgg gctcgtcaag tggaaagagc
34621 aatcagtggg tcagagcact acagggaag gagcacgggc tgtggactcc agaaaccatc
34681 actgtcactt ttctaattgt ttaataactt acgggagagt gaagcagtca caggacacaa
34741 aagtaaggag gaaagggaag taatgcagag gaggggtggaa gcaatcacga gtgacctgac
34801 gccaaagctg ccacagtatt ctttcttttt agttggcgga ctgaataaaa tagaggaaac
34861 atttgttgat gacccaaata ggtcaggatc agtgtccaga agattcaacc aagtggagag
34921 atgggctgaa tatgaataag acaatttaac aagaaagcaa aagccttggc acttggattg
34981 aaaatttaag tgtactaaaa aacagcagtt tgctttgcac aaagttcagt atgtgccacc
35041 ctcattccctc cctctcccaa gaaaaagcct aatctggggc atagtagaaa tacgttattt
35101 attttttatt ttatgttttg tagagatggg attttgctat gttgccagg ctgttcttga
35161 actcctgacc gcaagcaatc ctactgcctc agcctcccaa agtgctggga ttacaggcag
35221 agccactacg ccagccaga aatccatgat ttcataatac attatgtaaa accacactct
35281 ataccctcat gatcagagca ttctgggagc atcctccata atcggaactcc aggcttgaac
35341 aagatacaga caaaagagca cattctgagg ccattcaggct ctgaggccaa gctcacagtgc
35401 gccctgtga gagggctgg aaataggata atctggcggg ttctcacct gatagctaag
35461 gacacaccta gggagagtca cagagcagaa ataataaaaa agaagttgcc tttctggtgg
35521 aaggagagag agttcaggga ttgtgaaaga agagaaagtgc ggctattgtg agggaaatgc
35581 catgtccccg ttcatTTTTT tgtaaaacta agctgaacct cacagcaaga agctagtggg
35641 aattcatggc tcacagctaa agctcatatt tgcataataa tcagacataa atatgggaaga
35701 acatagtgat ttctcttcaa ggaagactgc aaggttaaac attctagtat gattcacgcc
35761 aatcctctaa gatgtattgg gatcagccgg ggaggcaatg cttagctgtt caccctcca
35821 cttgattctc aagcgagttc tgaatggaca ccacctcaa gagctcggac tctgacaact
35881 agatctgctc tgagaaagta gacagaggca gctgagaaga gcctgggact caaacccatg
35941 acccaccac attccatcat ctgggagaag gaccaggcgg acatttctct aagtcaggaa
36001 tcaagttttg ttcatTTTTT agatttggcc tttagacat aattaaaagt ccccatgaca
36061 ttaacaaaa gttttctaatt tactttgctt ttgttctctg agaagctagg gctgtctcat
36121 tccatcatgc ctgaggtgta cattagatat tgtattaagg gtttatttca gcacactgaa
36181 caactgttct tttgaggtgc tagattgtta ctgggaacta gattgttact ggggactgca
36241 tgctcaggta aggatggaaa agtggaaatt aaggacctaa ataagtttta agttttattt
36301 cccaccacc tagaccataa atctcattct gaaaaaaaat atagctgatt ttggtaatta
36361 ttaagacacc tcaaattaaa caggaaattt tcttggtcca aagagatatt gataaatgac
36421 ttttcaaaga taggtaaatt ttcttactta aactaacaag atattagatt taaattttga
36481 gattataggt catgctctgt tggtatgata gtgttttatt aaaaaaactc acattttata
36541 tagtgcagta tttttaattt taacatttac aacagatatt gcattatatg aagtcattct
36601 cacattgtgg ttgagataat tgctcagggt tgcaaagcta gttaagtagt gaggctggga
36661 gttaaaacac ggtccttttt tttttttttc tactgttcca tgctgctttt tcagtaatga
36721 tttatgataa ttgggttgta ttgtattcat ttctagggtg aagtctattt agtattcata
36781 aaacatccca ttttaatttt ctacaaaaaac gagtatgtcc agtgccatgc atatttgtat
36841 aaataataga ttttgtaacc tttttctttg ccctttctca caactgatat aataggagcc
36901 ataaaaatat ttagtgaaga aacatttaac ttaaatagca ggagataaaa gagcaatcca
36961 aagtgcaggt tctaatacag cataacacat gtaaaacttc aagtatatta ggtttcagtt
37021 cttcatcatt attcagaaaa atgtctttgt tacatgtctt atgagaaaag attggaggga
37081 agacagtgga gcagcgattc acattgtttt gagtattgac attgttgga tacagcataa
37141 catattatat tatgaagttc ctgagtctga tcttttcaga aatatttcca aaaagaaatg
37201 gagcaatttt ccattacatt ttataaagaa gataattatt taaacatatt tctcctagga
37261 aggggacagc aaattgcact gctttttatg tgcagacttt atgagggaaa gaaagcgatg
37321 acaggaactt ggaaatgaag gcgttttatac atttttagcta taaaagcgt aagagagaaa
37381 aataaatatt tgttctgttt agcagatgat cccatattgc agtataaggc aatagaggtc

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FIGURE 1 (continued)

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37441 cctacatata aaacgtaact tttttctttg tctgattctt acttttggtc ctgaaatgca
37501 gacgtgaata attagataac ttttatgatg tctatatatc tgtgggcttg aaaaagatat
37561 ttcacgaaga ccaatagaca tttgttatgt tgttgaattt gcttgagaca agacatcttt
37621 cattcatttg ttttcagtta cttgaaagac agtatgttta gctagctacc tatgaatggt
37681 gccaaatgag atctaaggaa accatgatag gtgaaagaca tcagggtctt acattcctgg
37741 agatcagtc tggaaagaaa agccagctct gagatcagtc aattagccag gcatgcttag
37801 ttttctctgc taatagcaag gcttattttt gccagtagg gtcaaagtgt aagaacagtt
37861 ttgattcagc agtagtgccc ttttaatacat ttgaatttat ttatttcgga acatctctat
37921 actttcatta cacagcaaga cattttctgt tccttcaaca tttttatttg ccagaagtag
37981 tttacgactt catgcatctt actttattatt cataactaac catgtgcaat cataataatt
38041 attgattgaa caatctgggtc ttcattaaaa gtatgttaac tattctaatt aaataatatg
38101 catcattttt aatctacaag ggttggaaac ttttgatttc ataatttga ttatgagaaa
38161 ccaaatttca aaaaatatgt ctatgaggag aaaaataatt tctaaaattt atttttttta
38221 aatcagaccc aaattattaa aaacttcact taactaatga agttaaatgc ttgatgaaag
38281 cattaagctc tgttggaat agttgtaaaa tatttagtat atggtacatc aacctcttt
38341 gatacttaag caaccctagt acccccaggt cagtgtctctg aaggcccttt aaatggagat
38401 aaagatcaga actgacacag ggaccccagg gaccaatcct ggaaaaatgt tttgtttgtt
38461 ttgttttgta actaaacaaa ttctgtgtaa cctttgttg tcttttttct aaatccttca
38521 aaaaaagaag aagcattttg aagacacaac agattcaggc gacaaaacat ttcaagtttc
38581 tgctacaggt agaatcgtat gttctttaga atttcagttg aaatagataa catatttcca
38641 tgatggactt gtattgtctc ttagagacac ttacaacttt tgttgtttgt gttgtccttg
38701 ttgttgctat ttaataact ctcttcagca cgtagaatac atgccaatg tatttgtaaa
38761 tgatttgtaa tgtaatttaa gtgatttgta aatgaatgat ttgtaaaatc tgtacattgc
38821 attacttcgg tccagagtta ggggccattt agatctgggt gctgggtgta atgaacataa
38881 gttcaatctc tgttcaagggt ttattttcaat gaccatagat tgtgtctcta actggttgagt
38941 catctcacia atttatgact aaatagggtg tgggcaagag agaacagatt tacaataact
39001 atctcaaggc ttgtcatcta catactgcaa caatattatt agtattgaat taataattaa
39061 ttggtatcta atgaatatta atattcgtat ctaattactg ttaaatagtg ctgggtgtttt
39121 ctagtttatc tgtcaaataa aaacattagc ttaatttttt taagtatttc atatggaaac
39181 aatttaccag ctaattgtca aattatttat tttctgtgct tcagttttct catctgtaag
39241 ttagggcaaa agtgccaaca tgagagggcc tttgggaaga taaaaacaga taatatgcaa
39301 agtatttaac aaatcctagt gtatagtaat atccaaataa atggttagcac tagttattca
39361 agtttttcaa taattttaaa tgctttccaa tagaacagat actaacattc attcaacaaa
39421 tacttttgaa gcacgtatca catgcaagtc catggtcaga tgtgtatctg tgactatggt
39481 caaaaccact tacaccctat ttttaaatac tgcgctatgt ttaaaatgtt tcctaagtgc
39541 tttgcagaaa aaccagacaa ggcagaaata agtcaaataa gccaaacagg tcatctctga
39601 cagcttatgt gaagtcttct ttctaaaagt tcgaaaatgt ggagtcttcc tgtgcattca
39661 ctaagggagg atgggctgtc agctggcgga acagtgtgtg agatctttgt agatgacgcg
39721 gcaccatcca gaagggaggg tacgtattgc ctggctcttc tggggttgac tttattcttg
39781 gtgcaacctc acagggattg gtcacagaga ggagtgatct ttgcatatga ttgctactgg
39841 gccctccaca gagtccaggc ctgtccggag accagcatta gacaacaaag aagcctcctg
39901 aggctgcgag gagcccgtca gccacttagt gagctgcctc tgcattctcca gttctgctgg
39961 gatccgggat tcttattatg gcctggcaac ctccagggtta ctcaactg gcacaagagg
40021 gtatctgagt gacattgtta agcagtaatt agaaacagtt gattagtcag agtggatttt
40081 ggtttgactc ggggtaattt tgtttttgta agtcttgggt tttttttttt ttttttgaaa
40141 cgaagtctcg ctcttgccc ccaggctgga gtgtgatggc tgatctcggc tcaccagaac
40201 gtccacctgc agattcaagc gattctcttg cctcagcctc ccaagtagct gggattacag
40261 gcgcctgcca tcatgcctgg ctaatttttg tatttttagt agagatggag tttcaccatg
40321 ttggccaggc tgatctctaa ctctgacct caggatgcc accctgctcg gcctcctaaa
40381 ttgttgggat tacaggcgtg agccaccgtg cccggccagt cttgggtatg tttttaggag
40441 ccgttggact tcagatataa aaagcaagct tgagctaaact cctccagttt cccatttag
40501 taaatgaaga aagcgatgtc caaagagggt gaatactctc catcctttta aaaggatata
40561 aagcattggt tttttttctt ttacatttgt ttaagtctct tacagatgct ggatattaga
40621 cttttgtcag atgcatagtt tgcaaataat ttctctcatt ctgtagattg tttactctgt
40681 tgatatattc ttttgctgtg cagaagctct tgtttaatta gatccattt gtcaattttt
40741 gcttttggtg tcattgcttt tggctattca caatagcaaa gatatggaat caacctaatg
40801 tgtgcccac agtgacagat tgtataaagc aaatgtggt catatacacc atggaatact

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FIGURE 1 (continued)

40861 atgcagccat gaaaaagaac gagatcatat cttctgcggg aacatggatg gagctggagg  
 40921 ccattaactt cagcaaaacta acgcaggaac agaaaaacaa acactgcatg ctctctctta  
 40981 taagtgggag ctaaagtatg agaactcatg gacacaaaga agagaacagc agacactggg  
 41041 atctacttga ggggtggagg tgggaggagg gagaggagca gaaaaaacaa ctattgagta  
 41101 ctaggcttag tacctgggtg atgaaataat ctgtacaaca aatccctgtg acacgagttt  
 41161 acctgtataa caaacctgca caggtagccc caaacctaaa atacaagtta aaaaaataaa  
 41221 atgatacaaa ggggccatgt tcatggtagc taccagcaca ggctttggag actgtgcttg  
 41281 ggatttttatt cttcctcctc tacctacaag ttttctaaac ttgagaaagt cattatatct  
 41341 tctgtacct aaatttcttc atctataaaa tgggcctaata gataatgtca acctcagaaa  
 41401 ttgctgtgaa taaatgagat cttatgtagg tgtttagtaa aggacctgtg tagcctgtat  
 41461 taagtgttca aagttctctc attattatta ttgttgcatg gattgttatt aatctgggga  
 41521 gaccaacgtt agaaatttga aaccagaaga taataactga caatcaaagt tcccttcttg  
 41581 ctctgaaatt ttgactctaa accacaatgt gtctttctaa taagctagat aagtgtatgg  
 41641 ggaatttttg tgtttagtaa catttgTTTT tgttatttgt tattcatttg tatgtctccc  
 41701 gtgtcagtat tcaaagtact tcagagaatc agataactaa acataaaaatt tatacttgta  
 41761 atgtaaaata tttaaaagaa tttgattaat ttataaagaa tatttgaaag tgtttgcgtt  
 41821 gggtttatgt ttcttgtgac tttaatctga aatgtttaag ataacatttc aaagtataac  
 41881 tatgaaaagg gaagctatat gtttactagg gaaaatatat agtgctatct ttatgacatt  
 41941 gagataggga aaggcttgca ggtaagaaac aaaaccccaa aatcatgaag gctcgtaaaag  
 42001 tcaagttcat caagaggcaa aacttttggt ctaccctcaa aactgtttaa aataaaaact  
 42061 aaattggagg aaaatatatt ctttatgtgt ctgacagagg attctcctcc aaaacttatt  
 42121 tcaattattt tacaagttgg tcgggaaaag tcaaataaca cactaggaaa atgttcaaac  
 42181 tgtgagaata agatccgggc atgggtgtgc ccacctataa ttccaacact ttgagagacc  
 42241 gaggtgggag gattacatgg ggccaggagt ttgagaccag cctgggcaac atggcgagac  
 42301 cccatctcta caaaaatatt tgtttaaatg taaaaatatg caattcatat tagaaaaaat  
 42361 ataaatggac aacaggtaca tgggaaataa aggacatctt taataaaaaat gagaggaatg  
 42421 caaattaaaa caagatatgg tttttataac caggtaggca aatattaaga acctaaagcac  
 42481 atctgggtat gcagggctgt agaggaagca gtgtcttcag acacaactgg cagagggagg  
 42541 tctgagttga tggggccatt tggaaaaaca atctggcagt atttattaga gctacacgtg  
 42601 caggctctat gttccagcaa tccccactcc cttacatcag ctctagagga acacttgcca  
 42661 aggggacatg aacgaaaaaa ttcattgtgt ggtgtttttc tctactgaaa aattgtgaag  
 42721 aacctaaatg cctttcaata gagtaatgtc tgaataaacg acagtatttt ctttttcta  
 42781 gaatgctaag cagaactaaa aagaaaagcgt tagatagatg gatggatctc caagacatgt  
 42841 tttgagataa aataaccagt tgcagaaaaa ttatacaat gggatccaat ttattttaaa  
 42901 aatatagaaa gatataaaca aatgaagtat agaatgatgg agtcgtatat ctctatgtaa  
 42961 aagcacagga aaaggcatgg aatgatacat gtagcacata gctctggacg tccctggaga  
 43021 gacgctgaag gttgtgggac aggcaatcag gaggtgatgg ggttttatga ggcaaatgaa  
 43081 taatacagtt gttttctacc cgagttggga acagattaat atatagatag ggaccaaat  
 43141 atcagctctg tgactgagga agtgataat ggagcagtg gcttagtttc ataataaagc  
 43201 aggcctgcag tggctcctgt cctcacctcc tatcattttt tgctcccctg cattccctcc  
 43261 gcaccatcca ccagcaggct aagctttggg acagtccatg agaaaggagg cttagttctg  
 43321 cataacctct gattggagcc agaaaataaa gagacggata gctcaatctt acagcatttt  
 43381 catagattgg ctccatcctc cttaaaaata tgagccagtg gtcaccacca acaattagtt  
 43441 aatgagttgc tcttctcat ccccaggagc agggaggatg gaagtcgtgg aacacaagga  
 43501 gctcaaggcc aaggttgtct tctgtctttt accattatga ctactattgt tccatgaagg  
 43561 tgagtatcac ttacaagtaa cagtatcacc tacaagtaat gtttttttaa aaagaaaatg  
 43621 tatccatgta atacacataa gcaaaaccaa aagttcagta gaaatctaca atgatgttag  
 43681 gcattttttcc caacagtagt tacttataaa taatgttttg tttatttatt atttatactt  
 43741 acttattttat tatttataaa taatgtctcc aaaaatgata ctgttaatat aaaacaaaaa  
 43801 ttaagatata aaacatgaga aactaaacag ctatgacatg aattttcttt taaaagactg  
 43861 gaaagcattt atcttgtaga aatttcaaat aagctttata tcaatatgca ctcaagatat  
 43921 tgaatagcat ttgcaaaata aattattaaa atgtctgata atttactgtg tgctaggtat  
 43981 cctgctaaac acttcacatt ttttttcgtt taatccttct attaatacta tgaggttggc  
 44041 actctttttc agttaaggaa actgaggctg agaatggata aatatttgcc tgaggccccg  
 44101 gaaaatgttg gccacttct actgtgatt tatcttactt tttcttcag catattcttt  
 44161 tctaactaca ggccattat ttgctaagct gaataagagc attttaaatt aaaataaatt  
 44221 cagttgtttt ctcggcatat acatttgag cgattcacaa acttcaatct tcatctactg

FIGURE 1 (continued)

44281	aggagaaaga	gttcttttatt	cttataaact	ataattataa	gcattcaata	ttttcagagg
44341	aagaaaatgt	atctgtttat	actaagtatt	taaaaatcac	ctacggattt	gctctaattg
44401	tcagtttctc	caaaattatt	attgtttctt	aattctctta	caagtaatta	taaatagatg
44461	tggtgttatg	aaaaataaga	aagatattcg	gtgtttcctg	tatttcataa	acaccacgtc
44521	attttcttta	tcaaaatttc	cattgaaaga	ttgtaagagc	attaggccac	cttctgggct
44581	taagtgtgta	tgagaagaag	ccacaacttc	ttttccctct	ggatcacctc	aggtcttact
44641	ttacaatggt	acaaatccac	acgagattaa	tattcaaate	cgtgaacata	tctttgtttt
44701	catttgtggt	aaaggatctt	ttattgtagg	tgctgcttaa	tgctgaatag	gcttgaaaaa
44761	gatgtatctt	caagtacagg	tgtaaaacaac	atgtgatttc	attaagatag	acgtagctat
44821	attgcaatga	tggcagtttg	gtcagtttca	taggtcaaca	aacatctgtc	agggtaagac
44881	ctcatgctct	gaatatgcag	gcagtccttat	aattctgact	atacatatgt	ttattttttg
44941	taacttaagc	aaaatttttt	ttagagccag	gcactgtggc	tcacgcctgt	aatcccagca
45001	ctttgggagg	ccgaggcgag	tggtacacga	ggtaggaga	tcgagacat	cctggctaac
45061	atggtgaaac	cccactctta	ctaaaaacac	aaaaaattag	ccgggcattg	tggcaggtgc
45121	ctgtagtcct	agctactcgg	gaggctgagg	caggagaatg	gcatgaaacc	gggagcgaga
45181	ggttacagtg	agctgagatt	gcgccactgc	actccagcct	gggcaacaga	gtgagactcc
45241	gtctcaaaaa	ataaaaaata	ataaaaaata	ataaataaat	aaaaattttt	ttagaaacag
45301	ggtctcactc	tattgcccag	gatggagcag	cagagtgaag	ccctggagtg	cagtgaacaca
45361	atcatagctc	actgcagcct	caacctcctg	gtctcaagca	atcctccac	ctaagcctcc
45421	caagtagctg	ggactacagg	cgcagccac	catgccaggt	gttttaactt	ggcttataaa
45481	ctctatcaga	tctgttatta	cagagaactg	aagtaatcca	aaagaaaagt	attcggagac
45541	tttgagtaga	ttctcaaaac	aacagacacc	caaagtctga	aacattgacg	ccctcgctac
45601	agtcagtaca	ggaaaatgtg	aattattatcc	tggtatgcat	catagtgaat	caagttgcaa
45661	aggtgagagc	ttgtatttgt	caaagtgtag	aagtggttct	tcttacatca	taaaacatgg
45721	atgctaaccat	ctagatgact	taccttaaaa	tccatttttt	ttctcttttg	atcataataa
45781	tgcattttgt	ggtacaaata	agagaggcta	ttttctttgc	caaaatagct	tgagagtgat
45841	cagagccgag	atatggaaac	tatggaatac	ctcatatttc	ttctcctgaa	agctgattac
45901	ccagatatcc	aaattcatta	ttctgtagtt	tattctcagt	gtattttcct	aagatttggg
45961	aattagacaa	gttcatacat	ggggcccaga	gtttcaagca	cttctgtgat	taacagtaga
46021	ttacaaagat	agcatgaaaa	atcggaaaag	aattgaagat	gccaactaac	gcacctaaaa
46081	atcaatttca	tgaacttgct	atgttgaaaa	gtcaaataga	aaataattta	tgtgtgatat
46141	cagtaccatc	ttttcctttt	tttcttaaaa	caaaaatttc	cctttttatt	aaagaaaaga
46201	gaaaaataag	agaaaataaa	gtatatgaag	aatcacactc	agaaattgct	tcttctgtgc
46261	gtgcctcagg	gatgtgaagc	aaaaaaataa	caggcatatt	gatcataaag	ctgacaggtt
46321	attggtgact	ctaagagatc	tattgtccca	tccccaacta	gcagcaaaaag	ttctgatgac
46381	atgtgaattg	atatgaaatc	aggtttcata	tgattttcaa	agaaggtttt	cagtttagtt
46441	cagggctgaa	ggaaatgtct	gtttcttttg	agaggaaaaga	tgatgtgaca	tagtgattga
46501	gtcttgaaac	agggggccaga	gtacgtgggt	tcttccctca	atctcacctc	ttgggttctt
46561	tgtgacttgc	tatctctgat	cttccattct	ttccttctta	aagaatagtg	cgtgccatgc
46621	ctgcatcaaa	agagtcttgc	gaggaagatc	cagtgaggaa	atgtgtataa	ttgcctaata
46681	atatataaac	agtactgtgc	aagtagaagg	tgctcattaat	aacatcagaa	tgcttttgcg
46741	attacaaatg	tgggtgacac	tgtgtgcatg	agtactgcag	gatgtggcgt	ccaatcacat
46801	ggtggccctc	cccgggtgact	caagaaaagg	tgcacatctc	agcactgaag	gagacctgat
46861	ttttctaaag	tgaagaagta	aaaatgatgc	cagagaccaaa	actgcagtat	aacattattc
46921	atgggggagt	ctgtatcaca	ggacatttaa	agggagaaaa	cttacgtata	aaaaagaaaa
46981	atgtgctttc	aactagaaca	gcaagaaaaa	tgattttttt	taattccagt	aaaaatttaa
47041	gcaaaaacga	aacaagagaa	acttcaggag	tctaccaatc	ctagttgtaa	tccttttgaa
47101	aaacaggaaa	acttgagaac	aagagaacaa	acaaggtaga	acaaagttgt	ttttactggg
47161	ctaactcctc	ctgtagtatt	aattagatac	atgaaacacc	cagaaggaga	actaagttag
47221	agaaagagaa	ggaaaggcaa	atttaaaggga	tgtgactcct	gttctgtgga	gcagactcgc
47281	tttagcatcc	tcttctgttt	attaaatatt	gtgtgcaaat	gtctgggggtg	ccagctacgt
47341	tatggagtcc	ttggagatat	gttctacagt	gatctttcag	ataaaaagccc	ttctttttta
47401	gatgagaagt	ttaactgagt	taactaagtt	ttaatcaatt	aatttaattct	tgtcctactt
47461	ggactagaat	ttagatgatg	tcttgatttc	tcatcttttt	gccacctttc	atggtttttc
47521	acatttataa	gataagatca	tttaattatg	ggacagtgat	ttcaactcat	ttttggattc
47581	gtctagccat	ctacactcaa	aatcgtagtg	tggcacatac	ctctaataat	catatataag
47641	cccaaattaa	ctatatcgta	ataattttgt	tatatccctt	gagatacaat	atacaaaagc

FIGURE 1 (continued)



47701 aagagataga atttatgggtt gtatttgccc atgtgaagtt actgaagttt gaacaataaa  
47761 tagctaacaa aaataaattt aaaagaattt cagataatta aactcaacat tattttaagg  
47821 agctacagtg gcagggattc caggccaaat cacattgtaa agatagatag atagatagat  
47881 agatagatag atagatagat agatagatag acagacagac agacagacag acagacagac  
47941 agacagactg atttgggggg aagtgggagc aatttgtcag aacgtaaaag agaactattt  
48001 gaattctgtc aaatcatttt acctggggaa cacttagatg ttggaggatt accttttcct  
48061 ttggcttcaa gagaaaatag gcagtgtttt cagcaaacat catgattttt gatctctcaa  
48121 agccttttga ttgagaatac agatgatata tttgtctcta tttgtactc ggatctggaa  
48181 tttcctagaa tgttacctac aaaagattta gatataaata tcttgaagaa ctttcagcac  
48241 aaatgtcaaa attttttctt tgtcacctgt ttaccaatta cagtatcatc acactaaaca  
48301 cagactcaaa cttctcttca ttccactatt ccagaatgga acacaaaaat ggtatatttt  
48361 gatctgtatt tattgccatt gattaatgtg gcattcgcaa acaatcccat ttgggcagac  
48421 catgtttgca ttttaatttc attgcaatca acgtaatgaa gctattgatc gtttcttcca  
48481 ttttcccttt catttgcttc ttaaatttga accgcagccc tttgtgcctc aatctgttgt  
48541 cacagatgga atttcttaga atgcatttcc tgtttctctg aagcagttag aatcgaaaaa  
48601 aatcacttca tatcatatcat ttaaattcca ccaataaaaat caaaactttt atgagtcatt  
48661 atgcaattgt cccatagagt aaaaggttca gctgaaaagt gatattgatt attatttcat  
48721 tgcaacttta taaaactttc ctaggagaag tcattattta tttaaaaata aaaagcagtg  
48781 gaagtctcta aaataatttt tacacatttc agaggtaaaa tttctgaaag aacattttt atatttgtaa  
48841 cacacacaca atgaatattt agaggtaaaa tttctgaaag aacattttt atatttgtaa  
48901 ggaagggact tctgattatg aacatgacta aataacaggt tttgaatgta gctactgaaa  
48961 agtaatgaac tctcaaactg gacaaaaatg atgaagtaac tgttttcaga cattggacaa  
49021 cttaccacaa agggctgttg tccattcaag atggaatcac aggcaggcag acacaccttg  
49081 ccttttagctt tctgcctggg gcactttcca cactgtggtg taaggcgctc acccagattg  
49141 acagcagtggt tcttgctggg tggagggaac agtagagttc agggccactg acgcagctat  
49201 aatttttgaa gaggcataatc cagagaggaa aaagctgcac ggaagcgtag ctctagaaat  
49261 ctgcatatag gttcttttga gtcattggca tgcacatgtg aaactccatg atttctggca  
49321 gagaagggtt ataagaggct ctgagttgaa ctgggacact gcaggttcca cagtgtctgag  
49381 gggcactggc gttctgacct ggcagagtgg agtcatttca cgtaataacct caggcattct  
49441 gttttgaaat cacagaaaag ccacacctta aaagtaggac tgacaaccaa attaaaaagt  
49501 gagccaaaga cttgaattag agagttcatt ttaaaaaggt atacatatat gaatggttaa  
49561 taagcacatg aaaatttgc tcaatccagt agttattaga gaaatgtgaa ttgaaacacc  
49621 agtggcctat gtaccactat acacccttg gagtggctgt aataagaaac aagaatacca  
49681 agtgttggca aggatgtgga gaaatgggaa ccatcatgca ttctgatgga aatgaacatg  
49741 gtatatccac tttgaaaaac attttgcctg tttattgaaa tgttatacaa aaatttatca  
49801 ttcaacctag caaattcact cctagaaatc taatcaagag aattaaaaac atatctacac  
49861 agagatatgt acatgaatgt tcaatcaacta gtgatcagat aaacagaatg tgtgtatcca tataatgaaa  
49921 atctaaatgt tcatcaacta agttattttat aatagccaaa agcaagtaaa aatctaaatt tcatcaact  
49981 ttgtaaactc taaacaaaat gtgtgtatcc atacaatgaa attgtatatt cagcaagtaa  
50041 agtgatcaga tactggcata tgtattaata ttacatatat acatatataat aatacatata  
50101 gtagaatgat taataataaa atgtatttaa ctagaaaaaa tgctaagtga aagaagccag  
50161 tacatataat ctattaaata tatatgcaat gtctagaaaa gacaaactta tgaagtcaga  
50221 acacaaaaga gtggttgtct tgggctgaag ataagaattg aaattgactg gaaacagtgt  
50281 aggcagatca tctgggatga tggaaatgtt cttacacagg attgtggtga tggtagacac  
50341 gaaggaactt ttcactaaaa ccatcaaatt gttaaaaaaa aaaaaaaggc gtataactaac  
50401 attctataat atgctaccta ataaagccta aagtcagttg attcaccagt aaattaactg  
50461 catacggtaa taaaactcaa cactaaagaa aggcacaaca atccaaactc tcagcaacat  
50521 cctgccagaa atatcccata tgcgatgaaa gttactagac atgcaaagaa gcaagaaaaat  
50581 agcagctgca acccaggaga aaataagttg aaataaacag acctgagatg acccagatga  
50641 gtgaccaa attagagaa tttccaagag tattataaat ttgtttcagg attaaaagaa  
50701 tgaaattatg aaatagaaat ttttagcgaag agatgaattt cagcagagaa atcaaaaacta  
50761 gagcatgagc attttttttt aatctggaac taaaaaagtc agaaatgaaa aattcactgg  
50821 tataaattaa atacatggaa aaacatgcag aaggaagtat cagaaaaactt aaatatagag  
50881 atgggctgaa tagcagattg aatacagaga agagagattt cttaaaaaatg aagaatttca  
50941 caagagaaaa tctaaattta caagtggtaa tgcgggtcat agaaggagag cagagttcag  
51001 gtggttggtt gaaatattat aaataatggc tgaacatttt ccaaaggtaa aaattactgc  
51061 agcagaggac acatttgcaa

FIGURE 1 (continued)

51121	tatagtttgg	atgtttgtcc	cactcaaacc	tcattgttgaa	atttgattcc	aatactacag
51181	gtgggggtct	aatgggaggt	gtttgggtca	tgggggcaaa	cctctcatga	atggattaat
51241	gccctccctg	tggggtggtg	agtgaagtct	ccctctgtta	gttgacacagg	aactgattgt
51301	taaagagagc	ctggcacctc	acccatccct	tgcgtcctct	cttgccatgt	tatctctgca
51361	cataccagct	cccctttgcc	ttcgtgccac	cattactgga	agcagcttgt	ggcccttgct
51421	ggatatagat	ccccaatcct	gaacttttcc	agctatcaga	atcatgagcc	aaataaatct
51481	tttttttttt	tttttttaaa	cggagtctca	ctgtgttgcc	caggctggag	tgcagtggca
51541	tgatcctggc	tactgcaac	ctctgactcc	aggattcaag	tgtttctcat	gcttcagcct
51601	cctgagtagc	tgggattaca	ggtgtgcacc	accaggcctt	gctaattttt	ttgtagagat
51661	gaggtttcac	catattggcc	aggctggtct	tgaacccctg	acatcaagt	atctgcctgc
51721	cttggttcc	caaagtgttg	ggattacagg	tgtgagccac	catgcctggc	cataaatctt
51781	tttcctttat	aaataaccct	gtcttaggta	ttcctttaca	gcagcaca	cagactaaga
51841	aaatgactac	taacatctca	ttaaaagcaa	tacaagacag	cctatcaggg	actagcatct
51901	ttaaagagtt	gagttatcag	cctaaaatct	tacatctaga	aaattatcct	ttaaaaataa
51961	agtctgagat	attttcagtt	aataaaagtt	aagatcatct	gtcactttatg	gataacaata
52021	taaatgtcat	aaataagata	ttagttaatc	aaaccaaagt	gcacttttaa	aaaatgacaa
52081	gccacaacca	aatgggggttc	ataccagtga	tgcaatgata	tctccatatt	agacacatctg
52141	ttgtttttacc	atattaatgt	tacaaagggtg	aaaattcatc	atatcatctt	catggaaact
52201	atagagattt	tagatatgtt	ccttgagctt	tcaaaaatat	taacaaatca	tgaatagatc
52261	gatactttct	taacaaacac	acacaagttt	ctaggaccac	caccatgtat	aagacagcca
52321	ggggaaaaaa	agagaaatga	aaagtaggaa	aggaagaagc	aactatattg	atattttag
52381	attctgtgat	tgtacacatg	aaaaacataa	aaacaagtga	atttgataag	atacgaagct
52441	aatatcaaaa	ttcagttaat	tacttatatc	aaaatcagaa	cttaaaatga	caccacttat
52501	aatagctata	agattacaag	aaataaatat	aagaaatata	taagatctat	ataagggtttt
52561	caaagctaa	tgagtaacat	aaaaatatta	tccaaataga	atgggtatgcc	ttattcctga
52621	gctgatagat	tcaatattgt	aaagttcaat	tttcttaaaa	ttaaatcaca	agtttaattgt
52681	tatctcaata	aaaataccag	agaaaaaat	tgccttttga	attaagtga	ctaattctaa
52741	gttcagtggg	aaaataaata	agcaagaaaa	aacaaataaa	ttctgaagaa	agatttaataa
52801	actgttctctg	tccgtactcc	aatattata	ggaaataaaa	cagttttatta	ttgacaaata
52861	tatatcccta	taaatgggca	caactacaga	gtataaaaaat	agataaatat	atgttgaaatg
52921	tatactttgt	gtataataat	atttgaattt	cacatcacta	gagaaatgat	gattcattta
52981	gtagataacg	gtggagtggt	ttaacagcca	atcaagagaa	aaattaattt	gaacccacc
53041	ttactccttt	caccaaaata	aatttcagat	tgattaaata	tttaatat	tttaaatgtt
53101	taataaatca	tgaaaataacc	agtaaaaaga	ctggataatt	atttttaata	atatgagagt
53161	taaaaaaaca	ctttctaaac	actacacaaa	attcagcaac	tatagaaaaa	gactaataaa
53221	tttgatgaca	tagaaat	ttaaaaattg	catggataaa	aaatacaaca	tgcaaaatga
53281	gttataaatg	gataaaatac	ctacatat	ttagaaaaata	ttagaaaagg	ccaataatc
53341	aaaggaaaaa	tgaacaaaaa	catgaaatg	ttcataggaa	gagacatgtg	aatgaattt
53401	gcattcttga	aaaatgttct	acctcattca	taagtgaat	gtcaactgga	atttctgtac
53461	agtatccatt	ttccacgaac	gattaacaac	taacaaaaatg	tttgtgcact	atttgaagga
53521	ctatattgag	taataattaa	tttcatgtac	tattaatgac	agtaaaatca	ttagtctgac
53581	caatttggag	aacaatttgg	cactttctat	caaacatgaa	aaatgcata	ttctgggaat
53641	ttattccatt	tctaggaatt	tattcttatt	gacatattca	catgtgggaa	aaatgtgaac
53701	aatgatattt	atgtcattat	gtgtaacagc	aaaagttgga	agcaagctaa	atggccaaat
53761	aaggaagaga	ttcaataaac	tgtaagatat	gccttcaatg	gaatactatg	gagtcactga
53821	aagaaaaaat	agtaaggcta	cttacattgt	attgttgtgt	tgtgttgtgt	tgtattgata
53881	tgttgctgaa	atataactaag	taaaaaggaa	agcaaatgt	agaacaatgt	gtatattatg
53941	ctaccttttc	agaaaaacta	taaatatgta	tgcacacatc	tctactctta	tcctttatgc
54001	agatttatgc	tgccaacatt	tgtaccttct	ggatacagga	cttgggagta	gtaggaacgg
54061	gaagaaatgg	gacaggctga	atcttcactc	tatttataaa	acctttagtt	ccttttgaat
54121	tatttaccgt	tcatatgtat	catttttaaa	aatagaaaaa	aaaaatgttc	aaagttgaat
54181	aagcgggtag	aaacatttca	gtggctttcc	gttgaatcca	gaacaaaagt	ttctttccag
54241	aggttcaggc	cctccttgaa	ctggctcatt	cccgtttctt	aaatcccacc	ttgttctcc
54301	cacctcctct	cactccgcag	tttccaactc	tattgacctt	ctctcagttc	cttgacacag
54361	tcagttttgc	cgctttggag	cctgtgcact	gcttgctttc	tgcttgcaac	tcctttgtcc
54421	caactctgca	ttatcgggct	ccctctcttt	cttattcttt	tggcttttgt	ggtcacccat
54481	tcagagagac	cctccttagg	catccactct	aacacagagc	ccgtttttct	tagtcttttc

FIGURE 1 (continued)

54541	ttgtggcacc	taattccttc	ctttcatact	caatttcttt	atctgttggc	tcttgtagtg
54601	tttttccaca	cccctcccca	ggatggtaaa	ctccttgagt	taccatttct	attttattct
54661	cttgtcgaca	cctgtaagag	taccgcagac	attgcaactg	ggttggaatg	ctaacaatctc
54721	ttgaataaat	taattcaccc	atttaagacc	aaaagtttgt	attacaagtt	agcaggaata
54781	aatgtcttac	tgattgggtat	atgggtgtaa	aaatatggcc	ctgattttca	gtatttaaaa
54841	ctctcaagat	gccaaatatt	ttctactgct	ttctaagctg	aacttccagg	cacagctggc
54901	atatgcata	ttcttgacaa	tctccaagtt	ttgataacca	aataagaaaa	aaaaacagca
54961	cagaaaaata	taattttggc	tggtactaaa	tgggctaata	ataccagtaa	tagtatttta
55021	aaaattctaa	aaaatgtcta	attctcacaa	tagcattcta	acagtaaact	aagaggtaag
55081	ctaataatatt	caagatacag	agcaaccaca	cttgtttagg	agcactgtta	ctttgtctac
55141	attgattttgt	taaaacattg	tccgttgtca	accaatctaa	aaaggacaca	ataggctagg
55201	cacagtggct	cacacctcta	atcccagcac	tttgggaggc	ctaggtggga	ggatggcctg
55261	agcccaggag	ttcaagatca	gcctgggcaa	cacggggaga	ccccaaactct	acaaaaactt
55321	tttaaagaaa	ttagccagggt	gtcgtgggtg	gtgcctgtag	tcccaactac	tcaggaggct
55381	gaggtgggag	gattgcttga	gcccagaagt	tcaaggctgc	agcaagcctg	attgtgccac
55441	tgactccag	cctaggcagc	agagtgcagc	tctgtctaaa	aaaaataaaa	ataaaaaataa
55501	aaatgaatac	aattttttaa	ataaataaaa	agaacataat	aaaatatgtc	cagaaatcaa
55561	tagtcaatat	cgtttgatta	attttgccaa	aatccaatac	acggtgtagt	tacagagctg
55621	aactttaata	atagaaccaa	tgtaacatgg	taatgctttt	catattttta	actactttcc
55681	taaatgttat	ctcatttgat	gctcactacg	aaaacacaat	agagatcatt	ttggcctgtg
55741	cttttgtaaa	attatagaat	attagacctg	aaaaatatat	aatgtcattt	acttctattc
55801	ttcattttat	agatgaggga	actgaggcca	gaaaacatga	taaagtatgt	tccatttctca
55861	cagctaatta	ggggctagaa	ccaggatctc	agtcctctct	tgggccacta	gacaattgct
55921	aactatgctt	ctgcaacacc	ttcatatcat	atgactgact	tcttaagtgt	acaaattaat
55981	tttaggattt	aaatcaatta	caatatttct	ttttaaaaca	tggaaatatg	ttcatccaaa
56041	agataatcta	catccacta	cccatataga	accattattt	ttatttttgg	atattttctt
56101	cagtattttt	ctttgatttg	tatgtttcat	agaaatgtgt	gtgtgtgtgt	gtaatttttt
56161	cacctctctt	aagtacatat	ttttaaattt	ttaaatggat	acacaatatt	tgtacatatt
56221	tatgcagtac	atgtgatatt	tcattacatg	catagaatgt	gtaatgatca	agttagggtg
56281	tttccatcac	ctcaagcatt	tataattttt	ttgtattggg	aactgatatg	gtttggctct
56341	gtgtcctcac	ccaaatctca	tggtgaattg	taattcccag	tggtgcggga	gggacctggg
56401	gggaggtgat	tggatcgtgg	gggcagattt	cccccttgct	gttgctcgtg	tagggagtga
56461	gttctcatga	gatctgatgg	tttaaaaagt	tgtggcactt	ccctctttgc	tctctcttct
56521	gccgccatgt	gaagacgcgc	ttgcttcccc	tttgcccttc	ctctatgatt	gtaagtttcc
56581	tgaggcctcc	cagccatgct	tccagtacaa	tccgtggaac	catgagtaaa	ttaaatctct
56641	tttcttcata	aattactcag	tctcaggtag	ttcttttatag	caatgtgaga	ttggagtaac
56701	acaggaacat	tttaagttct	attttgaaac	atactttttt	tttttttaca	atacagctaa
56761	atgttttgta	aaacatttta	aaaatgttag	tcccacacag	tcatgtaact	tcaaacagta
56821	agctcatcac	ctaataattat	tgcactctgc	acttagaagc	tgtgtgacta	gaagctccct
56881	gggcctcagt	tttctcatct	gcaaaatagg	gataataata	gtggtaattt	tatagagctg
56941	ttataaggct	tactcagcct	cccaaagtgt	tgggattata	ggcgtgagcc	acagcagctg
57001	gcctatgtaa	tttaattata	tgctttttgc	ttaacatatt	attcttatat	ttttattatt
57061	cctgaaagtt	tttcattatt	ataatttcaa	tacttagtca	atatgctgcc	taatgaacat
57121	agtgtaat	acttatccta	tttcccattt	tggacagtga	ggttggtttc	actttttgct
57181	ctcataaata	attctgaaga	aagcattcca	tatgaatatt	attgtcaata	tactgataa
57241	tttctctagg	ataaattcca	tgaaggatga	ttacagaatc	aatgcgataa	atatttttaa
57301	cactactgac	tcatattgtc	aaaatgtttt	cttaaaatgt	tgtgacaata	tcattaaccg
57361	tgtgcagaaa	aacagttttc	aaggtcttat	cctcattaga	tgtagtcat	taaaagtaaa
57421	ttgctaaatt	aataggctaa	aatggctccc	aattgttctt	tcattttgca	tttatttgct
57481	tattaatgag	atcaaacatc	ttgcaatttg	tttgtttgtg	gaatatcggt	taaagctcaa
57541	ttaatccgct	atgtttttta	atgacaagct	aagacactac	agatgaaaag	caatggaaag
57601	cagagatggt	tagtgacccc	ctactacggt	gctaagtatt	tcaaataat	tgtaggtgc
57661	attaatatgc	aagttatgag	aaagagacga	agcaaaagtc	acagacttga	gtgcataata
57721	cgacaaatac	tacttcaaac	tggctcagtt	ttagaactta	agggatttta	attctttttc
57781	atagttttta	ctaaccaaaa	gctttaatga	gaaacaatta	attcaatatt	aaaaggaaat
57841	aataggtagc	atgaatagct	tttgcattgat	gggtctagag	aagtgttaag	taggtacatg
57901	tggcaattga	gtccttgaaa	tggggctggg	ctgaattgag	atgttcaaaa	atacatatgt

FIGURE 1 (continued)

57961	gattttgagg	actcagaaca	aaaagaagag	aatgcaaagt	atatcattaa	tgatgtttat
58021	tgattatatg	ttgaaatgta	aatattttaa	aatagtggat	tgaattaaac	ctattaaaaat
58081	taatgttacc	tatttcattt	acttgtataa	tgtgacttct	agaaaattta	taattggata
58141	tgtggctacc	attggccagc	acaggtctag	ggaattatat	gatatcagat	tttaggaagg
58201	aagttataaa	attttagttc	ttcaggaaga	gatctaaagg	agagtacaga	gagagagaga
58261	gagagagaga	atctaccaca	taactaaatt	aagtaaaggg	agtgtctacag	cactgaccat
58321	tatgaccaac	caggaggtct	ctgataaact	cagatattta	ttcataaatt	cagattacaa
58381	agagcctacc	acaaaggaca	aacaggccgg	acgcggtggc	tcacagctgt	aatcccagca
58441	ctttgggagg	ccgaggtggg	tgggtcactt	tgaggtcagg	agtttgagac	cagcctggcc
58501	aacatgctga	aaccctgtct	ctactaaaaa	tacaaaaatt	aaccaggcat	gatggcgggt
58561	gcctgtaatc	ccagctactt	gggaggctga	ggtggggaga	tcacttgaac	ctgggaggtg
58621	gaggttgtag	tgagcagaga	tcgcgccact	gcactccagc	ctgggcgaca	gagcgagact
58681	gtgtctcaaa	aacaaacaaa	caacaaaaaa	cataagtagc	tggtgtcagg	actcttacia
58741	cagaatgagg	tagaggaagc	caaagggcct	tgaaagctac	attcagagca	caaagaagag
58801	ccaaaaagga	cagacactgc	caggggaagc	tgggaaaata	ttaataataa	gaaaatcaaa
58861	ttatgcaatt	cttattttgt	ctttgtcctc	tataaagagg	aatgatcttc	aaactagaaa
58921	agagagatga	aatttcctca	caagaaaaac	tgaattcaag	atagaaaagt	atacttaaga
58981	gaatatcaag	ttgttagaaa	tacgttttca	tctctgactc	cagataaatt	atatttcttg
59041	gtcatgaaat	cattgatagg	ctttggcact	tgactgggtc	caaagttgga	cgaatctagc
59101	tactagacga	gttccctgag	agcatgggtc	tgatctcttt	cattcattgc	tgtattccag
59161	catctagaac	atttcctggg	atagagtaag	tgctcaataa	atatatgcag	ataaatacat
59221	gaacagagaa	cacaagagtg	gccagattaa	aacagggaag	tggtctgatt	tcaaaatggg
59281	gaaaataagg	attctgactt	gtgtagatac	ccaggcaaca	tgcaaggcaag	atgtcagcgg
59341	ttaaaaaaat	tttagaatgg	attaattaaa	aaaacaatct	tccaatatgc	caggattcct
59401	ctacaatttt	acatctagtt	taaccacac	aataacacaa	ttaactgggtc	ctatacacat
59461	tttacagata	aaactgaggc	ctaagaggaa	tttaagtaac	ttgcctggga	gtgatatagc
59521	ttataagcag	aaaagctggc	atacagaatt	taactactgg	ttgtcctcag	aaaggaaatc
59581	atgggtgactc	tgaaccaaac	tgtgtacgat	aatcatgagt	atgctaaact	ctcctagttt
59641	ccttttttaa	tcaaattgct	aaattgggtg	atgccataga	taactgggtt	atgtacttaa
59701	aataaaaactc	attgagatct	ttacctgtat	ctgaatata	aaagaagttt	ctagtagaac
59761	tactctgctg	gataagacag	aagttcagag	atctaccaga	ataactatcc	gttcaccttt
59821	gcagaacttc	ataaagccca	ctaccataaa	cacagggtta	ggggagttca	gccaggcatt
59881	tgataagggtc	ttttgtaata	atcttgcaac	taaggctaga	tgacaatcag	accaattagt
59941	agtatgtgga	accactgggtc	cctattgatg	tcaaaactaaa	aggaagcctc	agtcttgtgg
60001	caagggggccc	tgctccttgac	ctttttgtat	tgaaatatgt	gaccagtgc	ttggagaaaa
60061	taataatatt	cccatgttta	gctgatcaca	caattttata	ccagttccta	cacttagacg
60121	gttgatatac	tcctcttcta	ctttgtggtt	gagaagcttc	ctctagtaga	agtgatgtca
60181	atggaattcc	aataagaggt	atgttctatt	tagacattta	atccatgaat	ttgtatatat
60241	acattataag	tcactcttgg	cagttcagcc	ctcagccaac	agaatctcag	tttctccatt
60301	tctatcatta	ctccagaagg	gttcttgggt	gtggactagg	cattctcggt	ggcatgcatt
60361	caagttctcc	tctgtagcca	ctgatcctgt	tgctctatc	ccacagctct	ggaatatctc
60421	caaataacta	ctcttttatt	ctccatgcaa	atgaaaaatt	ccattagggt	gatgtgaggt
60481	tagttgttga	cataacttcc	tgcttcaaaa	atccttcctt	ccttcccatc	atcatttgcg
60541	accccagtta	cagctctgaa	ttgtgatttc	catttgtgac	atattgcccc	cgaagagaca
60601	gaagaggaac	cttcatccgc	catccccatg	ttagaatcct	cttcctaggg	tctcagtga
60661	gttgccctcac	tcgatctcaa	gctgcccggc	atgtcacatt	ccattttattt	catttaacta
60721	agattttattt	agcttttatgc	tatgctagga	actgacaaga	aaatcattat	tacaattaaa
60781	tgagattttat	tgagtactta	ctttatgcca	gaaactgagc	taagaatgag	gaataaaaaa
60841	tgtataaaga	cacatttctt	gctctcaaaa	aatgtgaagt	ttagaaagat	ggaggtagta
60901	agtaaatcaa	cttcaattca	gggtaataga	tgctagtaga	ggcaccatgt	gtgatgctgt
60961	gagacctcaa	agaaagagtc	tctaaatcat	cctgaagagg	aagtcacatg	aggagagctc
61021	ttaagaataa	gtatgtctgg	ccttgtcaat	taaaagagag	ttgggagttc	caggcagagt
61081	gtcagcatga	atgaaggcaa	gaacgactac	tgggatgaag	tgtggggagc	tgagttcatt
61141	ttgacatggg	aaaagtgtag	aggctgggtg	cagcggctca	tacctgtaat	cccagcactt
61201	tgggaggctg	aggcaggcag	atcacctgag	gtcaggagtt	tgagaccagc	ctggctaaca
61261	tggcgaaacc	cogtctctac	taaaaactac	aaaaattagc	caggtgtggt	ggcatgtgcc
61321	tgtaatccca	gctactcggg	aggctgagac	aggagaatca	cttgaacctg	ggaggttgca

FIGURE 1 (continued)

61381	gtgagccgag	gtcgagccac	tgcactccag	cctggacaac	agagtgagag	actgtctcaa
61441	aaaaaaaaaa	aaaaaagtaa	agaaaagaaa	aagaaaaccg	tagagcagaa	gggagatggc
61501	aggaaacaag	gtgggaaggg	taggttagat	ttgtatcata	gaatatttta	gactgtctta
61561	tgaattatgt	gggagccaag	gaagggtttt	aagctgaggt	atggcaggat	ctgatttgca
61621	tttcagaggg	atcacttgtg	gcagccataa	tgaattaaga	tggtagagaa	cagacaagag
61681	gaaggacgga	ctgttaaagt	gatgggtagt	catagaaaca	aaaagtgggtg	agggctctgag
61741	ctggcccctg	aaaacagatg	ggtttgaaag	ctatttagga	ggtaaaatgg	aaagaatgtc
61801	atagaaattt	agatttgggg	gtgaggaaga	gggaggaggt	ataagggaac	ctgggtttct
61861	ggcttgacc	agttggctgg	acgtgggtgt	cacatgcagg	ctactgccta	aaagcatagg
61921	tgactaggag	aatgctattg	gcctcaatgt	tggaaatgtt	gagtttgaga	tgctagttaa
61981	gcacacagag	gatgcatatt	agtcagtggc	ctgaacttac	aactccagaa	gagcaggctg
62041	ggctagagac	catagtctct	atatggctgt	tacatatgga	cgtctttata	tggtatatcat
62101	cagtatatca	tggctgaaaa	ccaggggtctt	gatgaagtca	cccagggaga	tggtataaga
62161	tgaacagcat	agagaactaa	gaataaaacc	atagaaaaaa	gttcatttgtt	ggcttttgtt
62221	gtcttatttg	gttttgtaa	aatggggaat	cttgcatatc	ttttaaatgc	tgacagaaaa
62281	gttaaaggag	aaaatttgaa	gatgcaaaga	gaacatataa	gtaataattt	tcctgggagc
62341	agaaggatatt	tatttattca	ttcattcatt	caataagtac	tgagtgcctc	tagcaggctg
62401	ggaataaaaag	gccccctccc	tcattgcagct	tacattgtag	tggttaaggag	agccccatag
62461	gaaataaata	aatgataggg	tgtgttagaa	ggtgacaggt	gctacagggg	aaaacaaggc
62521	tgcataataa	ggatgagagt	gctggtggag	agcacagtac	atgtgagatt	taaatagtga
62581	ttaagggaaga	atttcctgag	gaggcaacaa	cagttcaaag	gcaatgaaaag	agagaacat
62641	gcagatctcc	ggggaaagaa	cgcttctggg	gcaatctgct	ttattcagtg	tctactgatt
62701	aaatgttaat	ctcatctaaa	aaaaatacct	tcacggaagt	atctagaata	ctgtttgacc
62761	aaatatctgg	gcctagtgtg	caaataaaat	taaccatcac	agaggccaac	gacagacgca
62821	agaagaccaa	ttaagaagct	ctcgtgttaa	cacagtggag	aggtgttggg	ggcttgagcc
62881	aggatgtcac	aatggaggca	gtgagaaatg	gtcaaagcct	ggatgtcttt	gcaggcagca
62941	gtcactgtgc	caggagtcca	aagatgacaa	gaaatgattc	ctgtggtcaa	ggctcttaca
63001	gtctgtaaca	gttattaaaa	ccataattgc	ttatttgttc	atggcatctt	cattaccttg
63061	attatacctt	cctgggtcaa	atcatattta	acatctattc	caacagaatg	gcattggaac
63121	ctaccagaag	acaggacacc	agtcactaca	caggactgat	gcatacttat	tcagtctcag
63181	gtatgtcttt	atagcaatgt	gagaacggac	taatccctgc	cttttcattg	taatgactgt
63241	caatcctttt	tttttttttt	ttttgagatg	ttgttttgct	cttgctgccc	aggctggagg
63301	acaatggcgt	gatctcggct	taccgcaacc	tccacctccc	aggttcaggt	gattctcctg
63361	cctcagcctc	cggagtagct	gggattacag	gtgccacca	ccatgcccg	ctaattttgt
63421	atttttagta	gagatgggtt	ttctccatgt	tgccggggcc	agtctcaaac	tctgacctc
63481	aggatgatctg	cccacctcgg	cctcctaaag	tctgggatta	caggcataag	ccactgtcaa
63541	tcaattttta	aaaacaaa	ttttcttctc	tgtacctagt	atgagacaat	ttgagtgtac
63601	tatgtcaggt	atttgagtgg	aatatataaa	atctatatgt	tgtacaagtg	gaaaacataa
63661	aagctatatg	ttgtgcacat	ccagcccttc	tcgtagaatg	tctagtacag	agcctaacct
63721	ttgcttacct	aaatcagggt	tgtgctggtc	tcatcaccat	tcccaggaag	ctgggtgctg
63781	ccctgtctgt	gggtggggcac	agaaacccat	ttaccttcag	tattcagata	gtagagaaga
63841	tggaccaagt	tggacttggg	aatccccatt	ctgattttga	agtctaggct	tgagatgggg
63901	actaagagat	gagaaatggt	gtaaagatgg	agaccaagac	tgctggagaa	ttgagtcaaa
63961	ctgagataga	aggcaggact	tgactccaga	ggctgggctc	agacaccgga	ccagattgag
64021	gactagcaaa	tacagggcca	ggggcagaag	cagctttcta	tcagacagcc	caggagtgtg
64081	ccatgtcaat	ttactattgc	catggcaaca	cctgggaggt	acttccccct	tccatggcaa
64141	gactccaaag	ttactacccc	ttccctagaa	atttctgcat	aaactgcccc	ttaactctgta
64201	tgcaattaaa	attgogcata	aatatgactg	caagactgcc	ctgaactgct	actatctgcc
64261	tatggggtag	ccctgctctg	caggcgcagt	tatggagctg	taacactgct	gcttcaataa
64321	agctgttttc	ttctacctcc	agcttgccct	tgaattcttt	cctggggcaa	gctaagtacc
64381	cttgtggcct	aagctccact	ttggggcttg	cctgccctgc	atcaaaacca	tgctaagtgt
64441	gggcaggcct	tgaaaaagcc	tagagcctgg	agtctagaag	gccattattg	gaggtagctc
64501	tcttttatgc	atcctgcaag	cacttccact	gtgcattcca	gattcattta	aagggaccca
64561	gagatatgct	tcttagactt	tccaccaaag	catctctcaa	gccaaaggga	ataaacaggt
64621	agcttcaaac	agtctgcctc	atgcctggaa	tatatgtgaa	atctttttgt	tttattttta
64681	aaattacacg	acttttgcat	tctactttgt	aatatcacca	ttgttttaat	aaccttccc
64741	cccaaattct	tgacataaaa	tgagcactgc	agaaaaatgt	ttcatattca	tttttggcct

FIGURE 1 (continued)

64801 tatgtaatcc ttggcacaca acttgacct agtcatgcct agcccagact gagaagcatg  
64861 aacctacaga tgaatactga accattgatt gaattgtgtca tcattctttt gagacctggg  
64921 agttttacaag cctagagcag agaagggaag ctataggtg gccataaat catggttgaa  
64981 tgatataggt cttctcatgt tctattctta atctaggcat ttccaacac atgcttttct  
65041 ttctctaaaa tcttatttct ctttatttaa aatcaaaaca ggctgggtgc aatggctcat  
65101 gcctataatc tcagcacttt gggaggctga ggtgggagaa tcgtttgagc ccaggagtgt  
65161 gagacgagcc tgggcaacat ggggaaaccc cgtttctata aaaaatgcaa aaattagcta  
65221 gatgtggtgg cacacaactg tagtcccagc tacttgggag gctgaggtga gaggatcact  
65281 tgagcctggg aggtggaggg tgcagtgatc catcattgtg ccactgcact ccagcctgga  
65341 tgacaaaggg agacccatct aaaacaaaca aacaaacaaa caaacaaaac aaaacaaaac  
65401 atttttttga acatgtataa ggcacggctc gtagtattgg agaatcccag gatgaattaa  
65461 tttggattcc atactttcaa tttcggcttt ctttcttctc ttttgatcct aattctgttc tatggattgt  
65521 ttctctgata acctatttta atcgtatttt gttttcatta agggatgctt gcaaaaagtt  
65581 atactctcag atttattttc atcgtatttt gttttcatta agggatgctt tcttttgaaa  
65641 tagttgggga gtgaaaaaat aactcttatg tatatccaat attaaaagtt tcttttgaaa  
65701 aagttttttt ctataggtgc ctttctaaca tgtcttttga aaacagtata ggttggtttt  
65761 atggctatgt atggggatct catgagaatg ccattaaaat aagcttttgc tgagttggag  
65821 gataaaagga aatgggaaaa aatccaaatg catcccatta ttacaagaat ggttccctct  
65881 acatttaaga aattattttt ctgcagttca gtgatttggg aaaacatgta ttttctagtt  
65941 tcctaagaat aaaatgaatt aaaacgactt taaatactac ataggacaaa ttttaatttt  
66001 ctactgcatt ctatcataga ctcttttctt ctatatttta ttttatttat atattttttg  
66061 agacagggtc tcattctgtt gccaggctgg agtgcggtgg tgcgatcacg gctcactgca  
66121 gccttgacct cccggggctc aggtgatcct cctaccttag cctcccaagt agctgggact  
66181 ataggctaatt ttttttttct ttttggtaga gatgggggtt caccttgttg cttaggctgt  
66241 tctcaaactc ctgggctcaa ggcgatctcc tgtcttggcc tctcaaagtg ctaaaattat  
66301 aggcgggagc cactgcgcca gacccatatt ttgttatttt gagagattat tctacttcat  
66361 aatttggaat gcatttctga ttttcttgtt ggaaatggaa aaatgactat tttaggttga  
66421 atccattctt aattatcccc tgatacttgc tttaggacat ttctgtatta cttttctct  
66481 tcctgttctt tttctctttt tttccagtc tttcatgaca gataaatgtt ggttggtata  
66541 accaaggagt tggtagatat cccaagaatg caaattcatt ttgatattaa atttaaaaac  
66601 atattccaag gaaggtaaat tcaaccacc caccctctac ctcaaacact atgggtgctg  
66661 gttcccattc tctcttctct tgacccatcc tctgtagcat gagcattagc cagtgtcag  
66721 aagagttaca gtcactgaa agctacctag aaatcagaat tccctcttct ttaattgtt  
66781 tttgaaagtt aagtcacat agggcacacc ttctgaaatc cacagtctgt aatgaatgta  
66841 aacacagaat gtgcatttgt gaactgtgac ccaaagggtt ggctttctag attccaaaaa  
66901 aggacaaaca ttttcagatg ttgaatgcac agtgatgtca gacatcatta gtgacagctc  
66961 atttctgcat tttgtggttg gactctaaac tatgttatcc cagaagaagt gtctccatct  
67021 tgccctggat ttgtggtggg aaggatctga cacagggagc gcttcgcttt acactccctg tccagaaag  
67081 tgtggcagct ggaaatgacc ttatatggta gcttcgcttt attccacagg agaattgctg  
67141 atccgtatgg aatgtggtga cttttgatgc tgataaggac attccacagg agaattgctg  
67201 ggtcgggtag acgaaggatc cctgtgaacg gttacccatt aacactggct ctggtttcac  
67261 accagtgaag agtggcagtc ggcatagttt tcattagtca gacattataa cctgagtttg  
67321 gcctattttt ctttgaaaca tttggaattg tcaagccaaa atgcatttcc tatggagtga  
67381 gtgagtttgc ctctgccagc ctttccatgt gatagtttat tattatagag gtgacatggg  
67441 caccagaggt cctggccaag ctattgtttt tctttgctaa gaacagcagg aagagacaaa  
67501 aaaaagtcct tcagaaaata atttatctag acttttgcaa ggcaatgaga aaatgaattg  
67561 ccattaggct gagcaatcta ccctgtatca ctgaggatag aaaatgtctc agaaggtcac  
67621 tcatgtctaa gaagtttcac gtggatcttg gtacaattgt ggcttaaaat gtgaagttca  
67681 ggccaggtgc agtggctcac gtctgtaatc ccagcacttt ggggggcaa ggcaagtgga  
67741 tcacctgagg tcaggagttg gagaccagcc tgaccaacat ggagaaaacc cgtctctact  
67801 taaaatacaa aaattagctg ggtgtggtgg caggcatctg taatcccagc tacttgggag  
67861 gctgaggcag gagaatcact tgaacctggg aggcggaggt tgcagtgagc tgagtttgca  
67921 ccactgcact ccagcctggg caacagagtg aaactccatc tgaaaaaaa aaagaaaaag  
67981 tgaagttgtg aagttcaggg gttcagagaa aatcccttcc cctcataagt gaggaatgaa  
68041 gaatggaagc actctgagga cacttccatg cagacagtca gatggacaca ccagtagag  
68101 tggcttttga atattgcact gtctatcata ggacacttcc cagctaccag acacagagtt  
68161 tctcttgggc tcagcccagt ttttcatctt tgtgttgcca gcaccacggc accctgcaca

FIGURE 1 (continued)



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68221 gcacatagca ggtgttcaag cttcctccct tccccgtcta tcctccctct tctccctccc
68281 tttccccgcg ttcctcaac cctcatctac ggagtgttc ttatatccca ggactgtgc
68341 ccaagcctgg tgcattgtga atttcagcaa catgcatctc ctaaatatta agaaaaaaa
68401 tcccccgact aagaaccttt ggtttttaac ctcattctgt gctattttca gtaacttctg
68461 gtttccacac taaaaaaatt tgcagtcatt atttattgag catgatctac agaccaggcc
68521 tagtaatagt cacctaattc attaattcac ttaccattc acaactattt attgagtacc
68581 tattgcatgt taagtgtcgg aattacagca gtgaataaac acacaaagac tctgtagct
68641 catgagtgtc caattacttg cattacctgt attaaaactt atattattca tgatcctcat
68701 gaagcttccg gtgggggtgaa gggagagaag caatatgtaa gcaacaata aacatgtatg
68761 acatcaggag gtaatcaata acataaaaat gtaatgacac gggggcactg gagagaacta
68821 cagcaggtcc tatgaaagct gggggaaaag catgatagcc agaggggaaca accggtgcaa
68881 aggactggg gcagagagcg cctgtgtgtt cgggattgtg ttttggtgg agcagaggtg
68941 ttgaggggga agtgatcaga gatgatca cagagctggc aggggtgatg tctcctacag
69001 tttcataagc cactctaagg acctggctct cctctgagt caaatgggaa gccagtaaaa
69061 aaatttgaac aaagcggctg ggcgcgggtg ctcatgcctg taatcccagc actttgggag
69121 gccaggcgg gtggatcttg aggtcgggat atcgagacca tctgggtaa cacggtgaaa
69181 ccccgctctc actaaaaata caaaaaatta gccaggcttg gtggcaggcg cctgtagtcc
69241 cagctacttg ggaggctgaa gcaggagaac ggcgtgaacc cgggaggcag agcttgcagg
69301 gagccgagat tgcgccactg cactccagcc tgggtgacag agcaagactc catctcaaaa
69361 aaaaaaaaaa tttgaacaaa gctacgtggg gcatgatcta ctgcacggtg cagtgggttaa
69421 gtccctcggg cttgggcaag gctactattt tggaaattat cctctgtttc ttgctagttg
69481 tgtgactgag gtttaagttac tcaacttctg tgcaccttct gtgtgacaac catacctacc
69541 ccttgagtgc ttataagggt tatataaatt aatatttgta aagtacatat ttgttaagtg
69601 taaaaaatga atggattttt aaaaatcact taaaatgtac tagataatta tgaactgctt
69661 ttggacaatt aatcaagtga cttccctaag ggcacagatc atagatgaac aggtcaggat
69721 ccacaccag gtctatgtga cctgaaacc catattttta gcatacagcg tggcacctgc
69781 ctctttcctc tgcaatctca gctgctggag ccatcattaa ttagatagta acaggggtga
69841 ttatgggttg tattgtgtcc gccccaaaat ttatgtgtgg aagtcctaag acccggtacc
69901 tcaaaatgtg acctatatg gagacaggga aatgtaatca agttaacgag gtcattagga
69961 tgggcccata tccaatatga ctggtgtcct tgtacaaaga ggaaatttat tttgttttt
70021 gtttttgtt tttcttgag acagagtctc gctctgtcac ccaggctgga atgcagtggc
70081 acgatctcag ctcactgcaa cctccacctc ctgatttcaa ccaattctcc tgcctcagcc
70141 tcctgagtag ctgggattgc aggtgccgc caccacacct ggctaatttt tttgtatttt
70201 agtagagaca gggtttcacc atgttgcca ggccggtctt gaactcctga actcaggcaa
70261 tcctccctcc tcagcctctc aaagtgcctg gattacaggc gtgagctaca acacccatcc
70321 aaaaggggaa atttgaacac acacacacag agaaagagag agacagagaa agagagagag
70381 aatgccacat gaggactgga gttatgttgc acaagccaa ggaattttga gaagcttggg
70441 aagaggcctg gaatagctcc ttccctggca tcttttagagg aagcgtggcc ttccaaacac
70501 cttgatttta gatttctagg ctccagaact gtgaaataat acattttat tgtttaagcc
70561 aaccagtctg tgggtgcttg ttatggcagt cctaggggaa cagaatgctg tctttagtta
70621 tcctcaatat tttatgcact caaagaagcc tttgccaaat gtctagttaa gacacagtgc
70681 tagactcctt ccctagggaa ggcagctggg ttttgtgcag tttctatgtt gtccaaaccc
70741 tttgccccag gagtgggtga gaagctgcag caagtcactt acaatgaagg gtgattgcga
70801 gtaggagtga tcacctagg ctctgatgtg tgctaatttc ctctgtaat taacctgtca
70861 acactgtctg ttaataaacc tagggggttg ccaacattga tcaaatacaa cacgaggaaa
70921 ttggatccta tggaaaaaat gtcacatcaa agtttcagaa gcatttaaaa aaatctgttc
70981 tgattctgct gattttttta gtcagacaaa tcattcctga tgagttaaga ttgctggcac
71041 ctgggtcgct tgggtaggca cctcgttttg attgccggtt gcatagtttc atttcagcct
71101 aagatcttaa ttcctgcaaa tgatttccct agcatatatg atgaaaagta atgtgcctgc
71161 tgaagatgga ttttaaccata tttagctatt ggaaagacct tgtcagggaa catctttatt
71221 cattttttta atgtttgtat agtggcatat gaatgttcaa taaatataat tttcatgatc
71281 acacaatatt ttctcttaac cttgatctct tctcctagat tatttaaat ccctatgcta
71341 ataatagaaa aaaaggacct ataattgcta ttgaattcct gcagtttaca cactgtgcta
71401 gaaataacct tcaaatttcc ctgtaactgc tgtgaaacag cctcagaagc cagcggggcc
71461 accagcagaa ggtctgata cttctacctc acaattaatc tagatttggc ggggcatggt
71521 ggctcacacc tgtaaatccg agaactttgg gaggccagg caaggggctt actttagtcc
71581 aggagtctta gaccagcctg ggcaatacag caagaacagt ctctacaaaa taataataat

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FIGURE 1 (continued)

71641	aataataata	attagccagg	tgtggcggtg	catgaccgtg	gtctcagctt	ctctggaggg
71701	tgaggttgga	ggattgtttg	agccccaggg	ggtcaaggct	gcagtgaagt	gtgatcacac
71761	cactgcactc	cagcctgaga	ctctgtctca	aaaaaaaaaa	aaaaaaaaat	agatttatgg
71821	atcatggatg	tgaagaatac	agaccttgct	ttgaattcag	ctgtgtcact	cactatacca
71881	gtttcagaaa	taccttctga	gggccatgct	ccctaaaaat	aattttaata	aagagtatat
71941	acagtttact	tcttaaaaaa	caattttatta	tctgaaagaa	ggaaagttca	tagtgattat
72001	tctggtcaat	gcttcattca	tgttgatatt	tccatagata	atagtagtta	atttttggta
72061	gttggtgatt	tacatgtttc	attaacttag	ctacatgcct	tgtagcacct	aacacctcac
72121	cctttttgag	caattttctc	ggaaaagatt	ggtgatgact	ttgttttgta	cagctgactc
72181	atcaccccaa	actcgccctg	tgatgagccc	tgggaaccct	tgcaaccctg	atgacagcag
72241	tcaggaagta	tatgcagtta	agcaattccc	atagaaggga	agtgaagcag	tgggtcacct
72301	gatactggag	tctcataacc	agactcgcca	agtaggaagg	aagcctcctt	gcagggcggt
72361	tccaccacag	tatgagcggc	cacagaaaaa	gttaccctga	gtgttccgtg	ctgcaccgcg
72421	tcacccagcc	ccacattcat	atggtgaagt	cccaaaccct	agtacttcag	agtatgatcg
72481	tatttgagga	tgagtcttta	aagagataat	tcagttaaaa	tgggatcctg	ggagtgggct
72541	ctaataccagt	ttaaatggcg	tccttagaag	aagaggagag	ggggacacag	acacacacag
72601	agggaatccc	atgtgaggac	atagggagaa	ggtgccatct	accagccaag	gagggaggct
72661	tcagaatgaa	ccagctctgc	tgacacctga	tctcagactc	ctccaaaaa	gtgagaaaat
72721	aaacttctgt	ggcctaaggt	gcaccatctg	tgatgtttgt	tactgaagcc	ctatctgact
72781	aatacagtgg	gtgttgcggt	tatgcaacct	tttccctcat	agaatgcaga	gggattaatc
72841	tctactttct	tgctgttttt	ccctcagcat	tagccactct	ggcctcctcg	ctgttctgca
72901	cacgtgccat	tccctctgcc	tagaacatat	ttctttcaga	taccttctcg	gctccttctt
72961	ttggttgctt	taagtctgct	ggcatcttgc	cttctcggca	ggtctcctct	ggccacttat
73021	tcaaaattac	aaaccatcca	cctcctacca	tccccagca	ctcttttatcc	tccttggttt
73081	taaaattttt	ctctatatca	caaggtcagg	agatcgagac	catcctggct	aacacgggtga
73141	aacctgtctt	ctactaaaaa	tgtaaaaaat	tagcctgggtg	tgggtggcagg	agcctgtaat
73201	cccagctact	tgggaggctg	aggcaggaga	atggcgtgaa	cccgggaggc	ggagcttgca
73261	gtgagtcag	atagcacccg	tgacttccag	cttgggcgac	agaatgagac	tccgtctcaa
73321	aaaaacaaaa	aatttttttc	tctagagggc	ttatcacctc	ccagcacctc	atataatgta
73381	cttatttttaa	cattttaat	cttcattaga	atgtaagctc	catgaaggca	gaaatttttg
73441	tctgttttat	tactgatata	atgccccaca	gtagggatag	tacaggacat	gtagtaggaa
73501	ctcaagaagt	atttgttgaa	tgaataatt	aataataatc	atcataatac	ttaatgtgaa
73561	ttgagcaata	tgtgccagat	actaagtgtc	ttacgtgtat	tgggttcatta	tacatgcata
73621	gatacactta	atgtagtata	gcttaattaa	ttatgttaat	taatatatga	attacttcat
73681	ggttaaaaata	aaaatatatt	tgtgtgggta	aaaaatgttt	gattttcttt	ctctttgtta
73741	tatattgtgg	gagtgaagga	actcctctaa	aagcagagta	ggcagtgata	aagcttgtag
73801	ggaaactttg	attcaggaca	aagaaagatt	tgtcttttca	gaaaggtggt	tatatagccg
73861	ggtgtagtgg	tgggcgcttg	taagcccagc	tactcggaga	atcgcttgaa	cctaggagat
73921	ggagggtgca	gtgaaccagg	atcgtgccac	tgactccag	tctgggcaac	agagccagac
73981	tctgtcttaa	aaaaaaaaaa	gaaaaaggag	tttatgggtac	atgtgaacta	gtatttacta
74041	gttaccaatg	attcagtcct	tacctgtgg	gaggcacat	cccttctca	gccaaccagg
74101	gaaggaatgg	ataaaacaat	ctgcaaggta	gaaagtgcag	aaatgaaatg	caaagactgg
74161	attacaaagc	acgttatgcc	tccgtccaaa	cactccctac	gtttctcacc	atagccttca
74221	agataagaaa	gagcttttga	ttcgttggtg	taattttgaa	gcagataatt	tcttgaaaat
74281	attcgatttt	aatcttggtt	gcttttgtgt	tttgtgatcc	ttattgatta	cctatttcag
74341	catagttaga	gtagttttaa	gttgctaggg	tcaattataa	tgtaaaagcc	atcaataatg
74401	ctgttagatg	ttttaaaaaa	atagaaaaaa	atctagttaa	aagctatgat	ttgaaagtat
74461	aacagctgtg	aaattgctac	ctttcctcct	tctgctcatt	catcatctcc	cggcttgca
74521	tatgttgagg	acagcgtctg	gggactgaat	tgaataattt	gaagggggga	aatgatacac
74581	ctttgtaaat	taaacacaac	tgccaggga	attgattaaa	tacaacttaa	ctgaaacctc
74641	attatagatt	cagatgaagt	tcctcatcag	tctttctaca	gaaaaaaaga	agaaacagct
74701	cccaaactcg	gatgtggttt	cccctggaat	agatctcact	ttttaagaag	ttttccttct
74761	gtggtgttaa	aaaaaatcat	tttttttttc	tgctgctggt	ttagaaatcc	tgaaggtca
74821	taatgcccga	taaatgaatg	ccccatttat	gagtcacatt	tacttttaca	tatatatgtg
74881	ggagactccc	tagaggtgta	tctgaagatt	actaatggaa	aatcttgatt	tattaactca
74941	ggggaagcta	catagactgt	ctccaagagt	tctgtactcc	tctctcttat	aagagtactt
75001	tgaggccggg	cgcggtggct	cacgcctgtg	atcccagcac	tttgggaggg	tgaggcgggc

FIGURE 1 (continued)

75061	ggatcacgag	gtcaggagat	tgagaccatc	ctgggctaaca	cgggtgaaacc	ccgtctctac
75121	taaaaataca	aaaaaattag	ccgggcggtg	tggcaggtgc	ctgtagtccc	agctactccg
75181	gaggctgagg	caggagaatg	gcgtgaaccc	gggaggcgga	gcttgcaagt	agccgagatc
75241	gcgccactgc	actccagcct	gggtgacaga	gcgagactct	gtctcaaaaa	aaaaaaaaaa
75301	gaaaaagaaa	aaagagtact	ttgaataatt	ttccctcacc	actttccatc	atatatatat
75361	gtatatatat	atacacacac	acacaccac	acaacataaa	catagatatt	tatgtatata
75421	catacatata	tttatataaa	cacatatgta	tattcataca	tacatccatg	tgtgtgtcta
75481	tatatttagt	attgcccgat	tttgaaaact	aaaaatgatg	cattttcacc	ataaagaaat
75541	atcatgtaat	gcaggaaaga	gcaaagaaga	aactaacaaa	tcccacaaaa	tcacatctcc
75601	ccaaggaaaa	aaaattagtt	tgggccatgg	tgaacatcat	tctagatgtc	actttaagcc
75661	tatattgcaa	agtaaaatgc	tttcaggagt	caagaggaac	ttccgtggtt	gagactgatg
75721	tgaggagact	cattcaatcc	tctcagtcta	ccttgagcct	ttccacatgg	tatggagaaa
75781	tatttctgta	ccctaaaaaa	aatttttttt	aaactacagg	gcaagcaaga	tgatataatg
75841	caaccaatgc	tttccttggt	gggagaacaa	taagagtgat	ggcacctctg	gcaaactgaa
75901	gaagacatgc	cccgctccga	gggcacaggt	atttctcagg	taaagttagt	gattgccaag
75961	tggcaatgtg	gtcccagtgt	tgtcagaact	tctgttctgc	tagaagttag	acatttgact
76021	tcgtactaga	aactttctaa	tttaaaaaata	ttttctcaaa	attgttttaa	gactctatgt
76081	ggtggctcac	ccttttaatc	ccagcacttt	gggaggccaa	ggcaagagga	ttgcatgagc
76141	tcgggagctc	aagaccagcc	tgtgcaacat	agttagattg	catctctaca	aaaaatacaa
76201	aaattatcca	gtgggtgggg	tgcagtagcc	tgtatccagc	tactcaggag	gctgaggtgg
76261	gaggatggct	tgagcccaag	aggtggaggt	tgcagttagc	caagattgtc	ccactgcact
76321	ccagcctggg	tgacagagcc	agactttctc	tctaaaaaaa	aaaaaaaaaa	aaaaaattgt
76381	ttaaaagtgc	tgcaacgtag	cctactcact	gctatttggt	agggacagtt	agataaatgg
76441	atgggtagaa	agatctatag	ataaataacc	agcaagtcaa	atgattatgt	aaaaataaag
76501	taattctata	gaagctactt	acttttttaa	aatcacataa	gatctatata	taaataacca
76561	gcaagtcaaa	tgattgttta	aaaataaaat	aattctatag	aagctactta	cttttaaaaa
76621	aaaatcacaa	ttttacttaa	acttgataga	agaaaaacag	gccaggtgtg	gtggctcacg
76681	cctgtaatcc	cagcactttg	ggaggccaag	gcgggcagat	cacgaggtca	gggatcagag
76741	accatcctgg	ctaacatgct	gaaaccccat	ctctactaca	aatacaaaaa	attaccaggt
76801	gtgggtggac	gtgcctgtag	tcccagctac	tcaggaggct	gaggcaggag	agtcacttga
76861	acctgggagg	cagaggttgc	agttagctga	gattgcacca	ctgcactcct	gcctgggtga
76921	caaagcaaga	ctctgtctca	aaaaaaaaaa	aaaaaaaaga	agaaaaagaa	actgacatta
76981	aactgaaaga	gttgctaaac	ttcattaagc	atttcttcac	catcaaagag	tcttctaaac
77041	ttaagaaaat	tattgtggaa	aacattatga	gattggagac	ttaattatta	caataaatga
77101	tactgtattt	tttaactaca	ggtatatgct	ttagtttaag	actatacaga	ttgacttcct
77161	acttttagaa	gatttctact	ccttaataaa	tttttccttg	gtttgtccca	agactatctt
77221	atcagcctta	gtccactttt	ctcagaatgg	tagggaatta	tgagaatctc	ataatgtgaa
77281	gtggtcttcc	ttccttagta	cttcttcagg	aggcggaacc	atagcacttc	tgaattctct
77341	gtttcttttc	atagactgta	ctctttgatg	tttatggaa	aatgctatgc	cttttcctta
77401	tttggttggt	gctagagaat	tttttgcat	cttaaaaaac	acttttcagc	cagggtgcagt
77461	ggctcatgcc	tgtaatccca	gcactttggg	aggctgaggt	gggaggactg	cttgagctca
77521	ggagttagag	accagcctag	cagatccccg	tctctacaaa	aaatataaaa	attagccagg
77581	tgtggcggtg	tgtgcctgta	atcccagcta	cttgggaggg	tgaggtggga	ggattacttg
77641	ggcccagggt	gtcaaggctg	cagttagctg	tgattgtgcc	actgccctcc	agcctgggtg
77701	acagagttag	aacctgtctc	aaataaataa	agaaattaaa	taaaacaatt	tttcatatag
77761	aggtatcaaa	gcaagtgggt	tttataatcc	tacaagattt	tgctgtatgt	atctagaaac
77821	ttttctcaac	tatctttaa	gctagtgtaa	tatttaccaa	gaaactgtta	tatgcaatca
77881	atatttatca	taccagatag	tgtgactcat	aaagtattat	ttcaagcact	tgtgggtgta
77941	tcattaatat	agcaatcata	tactatccta	tatcatgcgg	ctgtaattac	atgtctgcat
78001	agccatatat	actatatatc	aatttcctgg	gttattcgac	agtgggtgcc	ccagttacgt
78061	ttttaaaatt	taatgtatgt	tacgactaaa	atagatctta	tagatcagtc	aactctcatc
78121	ttacagatga	tgcaattgaa	gctcagagat	caatttgaaa	agcttttaag	tccttcaagg
78181	gactggaaat	cactcaagct	ttttgtaccc	tcactccttt	tttcatctct	ggtgtgtaga
78241	accacacctt	gtgtgattac	agatagatca	agcccaataa	gaaatctgct	gccctaaact
78301	ccagtattga	gaggctgctg	gcggtaagtg	aagaggcttt	ccacattttc	aaaccaacct
78361	tcctgcccac	gacttcataa	gcctatggat	gctgcttacc	tgtgtgttaa	ggtgtggtag
78421	gtgccggcct	tcattggtcgg	tgaaaatgtg	tctgtattag	tccgttttca	tgctgctgat

FIGURE 1 (continued)

78481	aaagacaaaag	ctgagactgc	acaattttaca	aaagaaagaa	gtttaattgg	aaaattaaac
78541	ttttccaatt	gtggcgggga	aacctcacia	tcatggcaga	aggaagcag	gagcaagtca
78601	cgtcttacat	gaatggcatc	aggcaaagaa	agtgaagctt	tgcaggggaa	ctcctctttt
78661	taaaaccatc	ggatctcatg	agactatcac	gagaaaagca	tgggaaagac	ttgcccccat
78721	gattcaatta	cctcccactg	ggtccctccc	acaacacatg	ggaattcaag	atgagatttg
78781	ggtgggggga	cacagccaaa	ccatatcagt	atctatctcc	agattttgta	gtaaaatata
78841	gattcagggg	atagagcttc	agaaacaaa	taccccttga	tttacaacta	cctatttttt
78901	tttttttttt	ttttgagaca	gggtctcact	ctctcatcca	ggctagagtg	cagtggcatg
78961	atcatagctc	actgcagcct	caacctccta	ggctcaaaca	atcctcccac	ctcagcctct
79021	caagtagctt	ggactacagg	cacatgccac	catgtccggc	taatttttgt	gttttttgta
79081	gagaaggggt	ttcaccatgt	tgcccaggca	tcttaaaact	ttggactcta	gtgatccacc
79141	caactcagcc	tcccaaattg	caggtattac	gggtataagc	caccataccc	agccgtgact
79201	acctgattaa	gagaattttcc	caatctagaa	agctttatca	ccattttggag	atcagaagtc
79261	tggatgaaa	aaaagaacta	ccttattttat	ccctctgagc	attttatttt	atataatag
79321	cttttttaaa	tatatatttg	ccagatgctc	cctcctgcac	caacccctcc	tcgccaccaa
79381	cacacataca	tgctcttggt	tgtgggattt	gttgttgctg	ttgttggtgt	ttggcttttg
79441	gcttttgtaa	aaatagggtg	tgtgggtcagt	acaaataatc	cagtgggtctt	tcactcatca
79501	cattgactcc	tcactctcca	ttcaagatgc	tttcatctga	cattttaaatt	tgtaggcata
79561	agcatcccag	cactttggga	ggctgaggcg	agcagatcac	gaggtcagga	gatcgagacc
79621	atcctggcta	acatggtgaa	accccgctcg	tactaaaaat	aatacaaaaa	attagcctgg
79681	cctggtgatg	ggcacctgta	gtcccagcta	ctcaggaggc	tgaggcagga	gaatgggtgt
79741	aaccacaggag	gcggagcttg	cagtgaacca	agatcatgcc	actgcacact	ccagcctggg
79801	tgacagagcg	agactctgtc	tcaaaaaaaaa	aaaaaaaaaaa	aaatcgtagg	cataagcatg
79861	caggtgacag	tcagccgtac	catcacatcc	acatgtaact	atttccctca	tgggaagtaa
79921	ataactttct	agtttttact	aaaggacaca	atgggtccat	agatgtgtgt	gtctgtgtgt
79981	gtgtctgtgt	gtgtgtggaa	caatgttcaa	ccaacccttg	atactttaca	ctgaagaaaa
80041	attaaaaaga	gacctagaat	gaagaggatt	atcaataatt	tattgaagaa	attctgttca
80101	ttttgataaa	cattcattgt	caattttatt	tacattagga	atagtctat	actctagcc
80161	ctgttactca	catccttcag	catctacata	aattatccat	ccaaaaccct	ggcttcccag
80221	ttcccagacc	ccttttatgcc	cactcatttt	tttctccacc	acacctttgc	tatatattct
80281	caaggctttt	caatatctgt	aactacacca	cctcagcaat	ccccatttta	agtgcctgt
80341	ctctgattac	agcctccagg	ctttccctaa	tatgcccact	ccaacactat	cttgacttcc
80401	cagatactgc	caatccattg	gcattatttt	aaaacatcat	tattattttg	aaatatgtca
80461	agaatcattt	cacacataca	aacaatataa	agaataacac	agcagtcata	tatctactat
80521	ctaactatag	atataaaaata	ttaccaagag	cattaaaccc	cattacatag	ccttcccaac
80581	tacatcccct	agataaactac	tatctaaact	ttgtattaat	aactaccatt	ctcactcatt
80641	aatttttttc	ttttatctct	ctacaaaata	ctgtttcggt	ttgcatgctt	ttaaacttat
80701	aattactggg	atcatacaga	ctgtattcct	ttatgacttc	cttttatatt	ctcttgatgg
80761	aatgtgagag	tcgtccctgc	tggcctgcag	cactagtcca	tcattttcac	ttccacgtgt
80821	tattatacgg	tgtgaatata	ccatcattat	ttaaaacaca	tgtttctggt	gatgggcatt
80881	tggttctccc	atttgtttgt	tttcaatttc	aaacgatgct	acagtgaaca	tttttgaaca
80941	cctccctgtg	cacagataaa	tgtgtttttt	ttctggaaga	catggccatg	ccacgggcat
81001	acttattttc	atcttaactg	gtgctgtcag	attatttcct	gtgaattccc	accttttccc
81061	cttcaagcag	ctcacgtcct	tgcttctttt	cttgcccagg	ttagattccc	tgaagcatca
81121	ctaagtgatt	cctttccata	tattgtggcc	acctgacctt	ccctctttca	ctgagccttc
81181	ctagcaaagc	ccgctctttg	gcttaatcca	attcttatta	ttctgaactg	aatgtagaga
81241	ataacagagc	tctgctgact	gatccgctgc	acccatgcga	cctcatgggt	gcccttactt
81301	ctaccaggca	gtcccagctc	attccctaaa	caattctctt	tcccagacaa	ctgttcacac
81361	ctttctcctc	caacttctgt	cttcactctc	aaatgatgac	cgtttcccct	tcttttacia
81421	tactataaaa	agcaaccgga	ggagaacttt	catgtcttcc	cacctcctga	tcagtcagcc
81481	tgctgccggt	gacctctgc	cgtcccacct	gccacaaaag	gggaactgtc	ctgatccctg
81541	tctaagacca	acctctcttc	tgaacactgg	gttccatctg	tctgacaccg	ctaaagggtt
81601	ttcattacta	attttctcca	ctgctcccat	atcactattt	cctccctttc	ttcaggatct
81661	gtcattagca	tacagacatg	ctctaataat	tcccgcttta	aaataaaaaat	gtcctatcct
81721	cctgtcttcc	acttctctat	gtatctgctt	tgttgatgg	tgagctcatc	aagagttatc
81781	tataccgatt	gtctctattt	cctcatttct	atctgagttt	tgacacactc	agtgaaccg
81841	ccattgccaa	gccattgata	acctccatgt	taccaaatcc	aatgatcagc	tctcagttct

FIGURE 1 (continued)

81901	tatcaacttt	acagcaacag	ttgagccagc	aacctctgaa	tgttcagaga	ggctgtagct
81961	ctgttgctga	ccaattcaaa	ctggctctga	at ttgagttg	aatcctggga	g ttgagcctt
82021	gaatctgcag	ctccacctga	ttttcttcac	taggcttcca	aggcactttt	cctgttatcc
82081	tctccctgcc	tttgccctccc	cactgcggct	tcttctctgt	ttccttttct	ggatcttctt
82141	ttccttctctg	gcctctaaat	gtttgagtac	ccctaggtac	agacctcgct	tctcgatcta
82201	cagtccaccg	cctgaagctc	tcctctgccc	catagctttg	aataccatga	atatgctggg
82261	aactcccaaa	agcatatcaa	caatcccctt	taagggaacac	tgatatgcac	ccctgtttat
82321	actccacatc	tttacttgga	tatcaatggg	catgcgtacc	aaacaggatt	ctaggttctt
82381	ccctcctgtt	tgtccacaaa	tagctctacc	ctccacctag	tttcccagac	cacaaacctg
82441	ggagtcaccc	ttgattcctc	tttttatctc	acatcccaca	accaatctgt	tagcgtgtct
82501	tgtcatccca	aattagcata	tgtcccctga	ctctgaccca	ttttcagaac	cttccctacc
82561	agcatcctag	tccaagccac	tttccctctc	ccaagctact	gcagcagcct	cctaaagatc
82621	tccctgcctc	cattcttgac	cctacacagc	atgcttacag	aaaatcaggc	cagtcttttc
82681	ttgtttcctt	tcatcttccg	aaatat ttat	tgaggataaa	catatgttcc	gtaaggggtt
82741	caaactcttaa	tgttcaactc	agtttttaca	gatgcatttg	ctttggtctg	atgttggtgt
82801	cccctcctca	aaatacatat	gttgaaacct	aaacccaaca	caatagtatt	tttttttttt
82861	tttttttgag	acagagtgtc	actctgttgc	ccacgctgga	gtgcagtggc	acagtcttgg
82921	ctcactgcag	cctccacctc	ccaggttcaa	gcaattctcc	tgcttcagcc	tctggagtat
82981	ctgggattac	aggcatgcac	cactgtgccc	atgtaatttt	tgtattttta	gtagagacgg
83041	ggtttcacca	tgttgggccag	gctgggtctt	aagtcctgac	ctcaggcgat	ctgcctgcct
83101	tagcctccca	aagtgtctgg	attacaggcg	tgagccacca	agcccggccc	ccagtgaat
83161	agtattaaga	ggtgaggtct	taggggatga	ttagatcatg	agagcaaagc	cctcttgaat
83221	gagattaatg	cccttataaa	agaggttaga	cgaagcttac	ctcccccttt	actcttccac
83281	catgctagga	tacagctaga	aggctctatc	tatgaaggca	acatccatgt	ctgcccttac
83341	cagacaccta	atctgctggc	accttgatct	cgaacttcca	agacttcaga	actataagca
83401	ttacatttct	gttgtttata	aattatgcag	tccaaggcat	tttgttatag	tgcccaaacy
83461	aatgaagaca	ttgtatgtgg	aacatctgtg	aggatataga	ccactcttag	cacccacaga
83521	acctcaacca	tgacctctcc	cagtctataa	ctcccaaagt	taacaaatgt	gacttctatc
83581	atgatagatg	acctccactt	ttttgaactt	cgtatgaatg	gagaaatact	gaatgtattc
83641	tttcatattt	ggtttctttc	atctcttcat	taggtctgaa	aaaaatttct	tctcttgtat
83701	ttagctgtac	cttgtgattt	ttctttgctg	ttatcttcca	ttgtatgaat	ataccacaat
83761	ttatttatcc	tttgtaaagt	ttaaagaacat	ttgggtctatt	ttttagcttg	gggctattat
83821	gagtaaatat	gctatgaatg	ctcttgtaca	cgatttttag	tgaacagaag	ctgttatttc
83881	tttgggggat	atttttcaaa	tttttctatt	tatttttagc	tttattttatt	tattttattt
83941	gagatggggg	tctcatttta	ttgccacgc	tggtctcaaa	ctcctggcct	caagtgatcc
84001	ttccatctct	gcctcccaa	gtgctgggat	tacaggtgtg	agccactgaa	cctggcctct
84061	ttggggggat	atttatttgc	aggagtggaa	ctgcttggtc	aaaagaatat	gtgtgggcca
84121	ggcgtggtgg	ctcacgcctg	taatcccagc	actttgggag	gttgagacag	gcggtactac
84181	tgagatcagg	agtttgagat	cagcacggcc	agcatggtga	aaccccaact	ccactaaaaa
84241	taaataaata	aataaaaaata	aaacaaagca	aaaaacaaaa	attagccagg	tgtggtggca
84301	ggtgcctgta	atcccagcta	cttgggtatg	tgagaggcag	gagaatcact	tgaacccggg
84361	gagtggagggt	ttcagtgagc	cgagatcacg	ccactgcact	ccagcctgga	tgatagagtg
84421	aaactccatc	tcaaaaaata	aaaataatta	aaaaaatttt	aaagtatatg	tgcatctcag
84481	tttagtagat	actgtcaatc	cattttccca	agtggcttta	ttgactcata	ttcccacata
84541	agatacgaag	attctgggtc	ctttacatct	tcaccaaacac	ttttattttta	gccattcttc
84601	agtgtcgtag	tcatttttta	acataaaaaat	caaagcacaa	actgtctcct	gactacaatt
84661	tcccagggtc	cctcctggca	cttctctggg	ccatccttcc	cttttcatcc	ctccccctca
84721	ttgtcctgct	ccctcactcc	attcaccagg	actgtttcca	cctctggata	ttttctctcc
84781	gttttccctaa	gcctgggtgtg	cccttttccc	agacatcgaa	gtcctttgct	ctctcatttt
84841	cttgaattcc	cttctcaaat	gatacctcct	tagagagatc	tttgccctcct	gccatgctcc
84901	tattgcaccc	tatcttttta	ctctgatttc	ccttcacagt	acttatcggt	tgttgacctt
84961	acgtcataca	cttgttttatt	tgtttattct	tggtttccct	tggtagaatg	cacactctat
85021	gaaagcagga	aagttgtctt	tcttgatcat	ctctgcata	tggcggttca	gtgcccggca
85081	gagggcctgg	cacttagcag	gctctcagat	gtttgggtaca	agagttctct	atctgagcga
85141	attctttctc	cccagcaatt	ttatcccata	acttacactt	ataatcatgt	tctcctcttt
85201	tctttcatcc	aatcttctatt	ttttttctat	tcacttctct	tctaccttct	ctttcctttc
85261	tcctactcta	tttcattatt	cataggaggc	tttgggaatta	cagagacggc	ggggcctcag

FIGURE 1 (continued)

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85321 gttggatgct gaacattaaa gctctaaatt gcagggcagc aggcaagggga aaaagcagag
85381 ctaacacttc ttttgcaacg ttaaaaatgc attatgacag gcctgggtggc tcatgcctgt
85441 aatcccagtg ctttgagagg ccaaggcagc aagattgctt gagcgagaa gttcaagacc
85501 agcctgggca acatggcaaa accccacctc tactaaaatt acaaaaatta gccgggtgtg
85561 gtggtgcata cctgtagttt cagctacttg gaagctgagg tgggaggact acccgagcca
85621 gagagactgc agtgagcaga gatagcgcca ctgactcca gcctgggcga cagagcgaga
85681 ctccacaccc ctccctgcaa aaatgcatta tcatactcta cactttatct tgaatttagc
85741 tgaaggcttt catagaaatt ctctctctg tttctctatc cctctgcctc tttccttttc
85801 tctacacctc caactagaca tttcacagac aaatctcttg agtagagtcc attctatgta
85861 acagcaagcc cctcatgctg ttggtcacia aaccacactg tcagagccag agacagctgt
85921 aaaccctgct ctcccagatg gagagcagcc ggagccggga ttttggtaga gggagttggg
85981 aatacattag ggaaagtcta atgagaacaa aagaggcagc tgaatattcc ccactccacc
86041 ttagtgtgca agagggcagc agtccagatt tttcatggcg ttggggctcg gcagggtcgt
86101 tagtctctat ccaacaagca ttagaagaa acagaaaata acatatatct gggggtgtgc
86161 ctgcctgcct ctgtcttggt caaacaacaa taactggaaa acacgactta gcccttact
86221 tgatggaggg agaaatttgg aactcttctg agatgatgaa agaatagaac tagataagga
86281 aagtaaaatg ctgttctctg tctgaaaaag agaaatgatt gatctgtagt aaccaact
86341 acaaagagta caatccaggt agactcctct gacgtggca ccctgtcaca gagaggggga
86401 agaacatcag gcttattcgc atgtgtgcaa atggccaagc actaatgtag gaggactgac
86461 gggagtctat ctatctgtgg cttctgggta gacacaggca agcctaacc tgcccgggcc
86521 tgtgtctgat ggcgaggctt ggtatatact acaagcacct tgtcattagg gttttatcgt
86581 gctatggata tgctaacgat acatttataa acaaagtttc taagtagtgc aattgccgag
86641 gaaaaactga ttgatttata caagtgtgga ttttttttag acatcccgtt ccatgcctta
86701 gggtttctag tgttctctag ctgggcaagt ccagactcac tttgggtctt ttctgggtgt
86761 tttccgaggg tgtgctcgct ctgtgtggat gacatgagtg tgtgtggagt ttatggctgt
86821 gataaaaatac agtctggca atctgtaaaa tctcagataa tcacattcct ggtgtgtttg
86881 ctgggtgcct cccactgtag aatctgaaaa cctcagataa atgtgaaggt ttctggaaaa
86941 tagctcagca gaggaatggc acccaatcct gggcaaagga atgtgaaggt ttctggaaaa
87001 caggttttct tccccattt tcaaagagag gtttcttccg gtcctgcctc tcgttcgagg
87061 gagcacgtga tacttggcac tgcaaccaca gtcttgtgaa cctgtgggag cagcaccaag
87121 gaccacgaag aggtgcctc tagggccctt ttagtcacat atcttgcttc ttgcagaaga aagcattaac
87181 tgcttctctc agcatattta gtcggctatg cgtaaatgac aacgtagacc caaatcccc
87241 aatgaattac cctcagggtt tctcactgca ggtagaataa agcatgaggt cctgaacaat
87301 tttcaaggcc acctctccaa gcttctcagg ccttgctcta tgttccccac gtagtctcct
87361 cagccccctc cctgtgtgtt ctcaactgtca aattctacct cagggccttt gcacacactg
87421 ccttcacttt cctgtgtgtt tctctgtcac tgactttaaa agctgcttcc taggaatggc
87481 atgaactgaa tctattcct tctctgtcac cctgggtgta ttttctctg tcagttccct
87541 cttgttctc tactcaaact aaagcagatg taggggctc ccttaacatg cattccagtc
87601 gctctttccc tcggaggccg taagactcaa actgcctttc ccaggctcca ttgcagctg
87661 tcttctcga aggcagggcc tctgcccac agacatacct gtgggaggtg gtttagacat
87721 gttctagaaa tggttgagat agctggatag aggggttcat ctgactggcc ggggtcctgg
87781 gctgctacat ggtgagagag ccttaacaag ggcaggagct ccctcggtgg cctagtctctg
87841 cagaggatgt gagattctct ctttaacaag ggcaggagct ccctcggtgg cctagtctctg
87901 caatagttgg gggcgatgat cttggaattt tggcctagag ttgtttcttt aggcctcttt
87961 agaatatgga gctagctgta ctcttaatgc acgcctgtct gcttaatttg tctatagtgt
88021 atcctgttgt ccataattac aaactttgac ccataaagca atagtcattg caatttgtaa
88081 ttatatattc atttcataca tttcctaaca ccctggtatc tctaactage ctctgtgctc
88141 tgaacactta acatagggtg cagtgtctgt agctcaatat ttattgatgg gtaaataagt
88201 agacaattga gcaaaaccag acattgcatg taaagttaga agaaaagaga aagtcctgaa
88261 gttgcatctt tgatatttaa atcttgagtg atttgaaaga agccagaagc tgacatttac
88321 aataagttcc caacttgctc aattcacctg gcaggctcat cgctgtgata gccaaactag
88381 aacagaggtc cagggaatat gaattccaac tgttattaaa tgcaatagca atcttaaccg
88441 taggattttt gtttctcaag aaacataatt tgtcaggaga gatttctcag agccttctct
88501 gttcctccta agagagtata tcccactctg agatgctctc tgggtaccatg gaactctcca
88561 tcaaaggtgc agcctcacat tctctcctgg gcagttccct gattcgactg tcatgccac
88621 ttgactgtca gatccatgag ggcaagagcg cacattgcac aatgcctagc acacaattaa
88681 cacttggtat atgttggtg aagaacaaat ggggtgtact gcatgttatt taatcacaaa

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FIGURE 1 (continued)



88741	ttttgaggaa	tttcacacag	gactaaaatt	agtgttatat	ttacactaat	tattgagtca
88801	gatggctctt	tttctggctt	atttgtgtgt	gcacatttta	actgcatgtc	ttacacatgt
88861	aaaaatattt	tttttataca	ggctgcagcc	ttcttccatt	gttgcaggct	ctctcttcta
88921	ctgtgggact	ttccccctctc	gaatgctgaa	aatagcaaaa	aaagtgtgtc	tctcattctc
88981	tttccccctca	ctcttttgag	ctaggcttat	tccctgagcc	ctctctctac	ctgatgttct
89041	cgctaaatgc	ttatactctc	tgaggtcatc	cattgtttga	gttattcctg	acagactctc
89101	accattataa	gtattaaagg	ggaggaagaa	ggggctgagg	agactgaagg	gaaaaggggga
89161	gaaacccctc	atctcagaaa	acccctccag	aaagatcatc	tctttaggaa	acaaggcaaa
89221	actgcggttg	gtatttctcc	actgtggcca	aatattttga	ctcaaagtct	gatgtagccc
89281	atgtttaatt	ctgctctgtt	tattgatgta	tgtttcatga	atgggaatag	agtttgctgt
89341	tttactccaa	tataatttat	agtacatttc	ttctgataca	ttataggcat	atatgactgg
89401	catattattt	gtgcatataa	ataatgtatt	tcctcttctt	tttttctttt	tttttttttt
89461	ttccagagac	aggggtctcac	tttgtcaccc	aggctggagt	gcagtgggtg	gatcatagct
89521	cactgcagcc	ttgacctcct	gggctcaagc	aatcctccag	cctcagcctc	ctgacagctg
89581	ggactataga	cgtgcatgac	catgcctggc	tactttttta	attttttcta	cagaaggggt
89641	ctcactatgt	tgcccaggct	tgtctggaac	tcttgactgc	aagcaatact	cctgccttga
89701	actccccaag	tgtgttggct	cacgcctgga	attacaggtg	caagctacca	cacctggccc
89761	tcttctcttt	caattactcc	ttcgatgctt	ataactggca	ccaatgtcca	agatctttac
89821	tgactccagg	agcccttatg	agcacacaga	tcattagact	ctcagtttta	ctccccaagt
89881	agttgggatg	ccctagttct	gaaatgctct	tccttgcaac	cggagttgag	gacctgggtg
89941	tcttctcatg	tccttccctc	tcacccatct	tcttgaatac	gactcccca	cacatggaca
90001	cacaagcatg	tgcatataca	cacacacaca	ctcttcaccc	atccataagg	tccatgctcc
90061	ccagggattc	gggaatctag	aggggtgctgt	cagcagcctg	tctggggcca	taaagcataa
90121	ctgccaaagt	gcaggattga	agacaaaatt	ccgatgcaaa	gataggagca	cagataggga
90181	catacaaagg	cagatggcac	catagcccag	gagccctaga	tccttggatc	cctgggtatg
90241	tgtgagcaaa	ggggaaggga	gtggtaacgg	agaggggtgag	aaactcatgc	agctattttg
90301	tagtaccttc	aactcaggac	tcctcaacct	cttaaaaacc	agtttcatct	taacttgggt
90361	taaccaagtt	tgccctcagt	aacagtaatt	ttttatttaa	aagttttatt	atgtggtgag
90421	aatgtttaaa	aacttactct	tagaaaatttt	gcagtataca	atacatcatt	attaattatg
90481	gtcaccatgc	tatgcaatag	atccctaaca	cttatttctc	ctgtttacct	gaaagagtaa
90541	attttgaata	ttctcacctc	aaaaaatttg	taagtaggtg	agggttaatta	gcattgttaat
90601	tagctttaat	ttttctacaa	tgtatacata	tatcaaaaaca	tcttattgta	ccttgaatt
90661	tatacaattc	tttttttttt	tttttttttt	ttgaggtgga	gtctcacctc	gttgagagg
90721	ctggaatgca	gtggcacgat	cttggctcac	tgcaacctct	gcctcctggg	ttcaagcgat
90781	tctcctgect	cagcctccct	agtagctggg	attacagatg	cctaccacca	tgcccagcta
90841	tttttttttg	tatttttagta	gagacagggt	ttcgccatgt	tggccaggct	tggctctctaa
90901	ctcctgaccc	catgatcctc	ccgcctcagc	ctcgagaggt	gctgggatta	caggcgtgag
90961	ccaccacgcc	tggcctgtaa	tataataact	tcttatttgt	caattaaaaa	taagagaata
91021	ttaaataaga	attaaaacta	gaaaaacatt	ttattatttg	cagttatttg	gtcatgcaaa
91081	agaatatatg	taacatatct	cagtattgtc	acacaatgac	aacacaaata	cttgtgaggc
91141	aatgaagtgc	acatgtcaat	gctgagcccc	gtatctcaag	tgccccctaac	ttttcatagt
91201	cacatgacat	tcctttttaca	gaacatacaa	actttcatgc	tagatatattg	aaagaagtct
91261	aaaaatgcag	ctaccagggg	gaatcaacaa	gttggtatga	atgagcttca	ggcaaggcat
91321	aaatggtggc	agccagttat	gagagggttg	gaaggggaaa	ggttcttcag	gcctggggga
91381	tgaggggcag	ggaaggattc	atacctccta	aggaggagga	agaaaggggg	gctagatatt
91441	aaaaaagaaa	atgcccccaag	ttttataaga	cttctccac	acgtgcaccc	cactaactgt
91501	ctctatttcag	agacatataa	aaattgtgga	cagaagtact	tcaaaaatctg	tttcgtcaca
91561	ggtgagaaaag	tacacagctt	tgtagagact	atttccaaga	tggtaatat	tatatcgga
91621	atattttataa	tttatggagt	gcataattgag	tgtcttatgc	taaactctgg	ggctataact
91681	cagaaaaatg	agatttagag	ctcaggcatg	ctacagccca	gaaggcagac	agacaagaac
91741	ttagaaaatt	ccaaaacagt	ctcaaagggt	gatttcttta	ctccagtttg	atacacactt
91801	ccactgcac	ctagagcctc	ttcagaatta	agataaaaaca	tttcttggtg	cagtaatttt
91861	tttttttttga	ggtggagtct	tgctctgtcg	cccaagctgg	agtgcagtgg	tgtgatctca
91921	gttcaactgtg	acctccgcct	cccagggttcg	agtgttctcc	tgctcagcc	tactgagtag
91981	ctgggataac	aggcatgcac	caccatgtca	ggctaataatt	tttgtaattt	tagtcgagac
92041	agggtttcac	catgttggcc	aggctgggtct	caaactcctg	acctcaagtg	atctgcccac
92101	ctcagcctcc	caaagtgtctg	gaattacagg	cgtgagccac	cacacctggc	caagtgtagt

FIGURE 1 (continued)

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92161 gatttatttta atgcctgtct tcgctgatgt tttgttagct ccaagagaca ggacttgtgt
92221 ccatcttgtg gactgccata cactggcacc ttactctggc tggcgcttaa taaataatca
92281 ttatataagt gagtgggtaa atgaatgaat gctagaaaag aggcaagcat ggcgtgctga
92341 gtggccagta accatcctgg gggtcagaga ggctttgggg aagaagtgat atttaagccg
92401 aaacctgaag gagaaatggg atttagccag gtaaagaaaag agcaacgctt caaaagccca
92461 gaggcaagag ctcttgagac agcctgaggg tactgaaaac gaaactgcat ggcggaagct
92521 tacagatgct gctctgtgca tgggctgttg tgcaaagtag aaacttctca tctcgaggtg
92581 aataaattgc agaagggcgt cccctctcta ggccaacca tgagaaaaaa gagacttcct
92641 ctgggatgat tgagtctctc cgctgtgcac caggaggctg aggtcagcct ctatatgagc
92701 ctttgtcggg gagccctcct gtaggatgcc accctgcacag gcatgccagc aagccttggg
92761 aggagggagg aggggtgccg gagctgagtt agatcttggg aagcaggagc tgactcaaaa
92821 acagctttta tggcactcta aggagtttga actttgctct atgggcagcg atgcactttt
92881 gaagaacttt aacctaacag tgactctctt acagaagttc gttcaacaga cttttattgt
92941 gctcctgctt atgcaagagg cacaccagta catgcggttc tgggggtaca catggtgagg
93001 aaaagagaca cgggtacctgc cctggtggaa tttacgcttt actagtgaag gaacgcatac
93061 tggggggaca gtaagagaca gaacaccgtg agagcagctt gaactagagg gagaatctgt
93121 taaacaatcc tgcaagggtc acgtggtatt ctgttttcca gataaggaaa ctgaaggtag
93181 ggagggtttta gtaacttatc caagaccacg caagtgaagt tcaaattgac ttggtgtgat
93241 ttcaaattcc atatccttgt actacagaga taagaacaaa atgatgaata atattgttctt
93301 aaaaaaaacc tgaaacatga atatagaaaa gatgtatcat tacatttaca cacactcaca
93361 cacacacact cacaccaca catccccttt acttttcagg aaacacagtc tggaaaatat
93421 accctagtga aataaaaacc gaccacactt acttttcagg aaacacagtc tggaaaatat
93481 ttgtcaggac atggccaatg gcttagctgt aatccctata tgggcctatt caaactagtt
93541 aattctttcc tggggaaaac cattctgtaa ttgcagacct tgtctcttaa ctttagcagag
93601 cctctgacag gtggatgcc tttacagggt cccagagctg tgaaaagcca gtctgactgt
93661 ctgtttttaga actcttaagt tcaggtaagc aattttgtaa attaatgtca gttatctctc
93721 ttttttttga agctgggttg ggtagaaact ccatgttcca aaattttgtc accctgacca
93781 ataaaatgcc ccctgctttc aaacacaatc agacctgctt taggggagga tcgtctgtgc
93841 tttgtttgag ccttgattaa aatggagatc agaaagactc acagatgtct cttctccaaa
93901 ctcaataaac cccaggtcct cttacttttc atcttacctt ttctctcttt ataaaagtat
93961 tcatttctct tctttgaatt atcttctttc aaataatttc cttcgttaga aaaaatgtag
94021 gtatatgcat tttgggaaac aagagctacc aatggtaatt acaattgatt tttattattc
94081 atgagattcc tattattatt attctcattg cagtattgtt ctacaggatc actacgaaca
94141 ctgaatgagt gaatactgaa ctacattgct cctaggagaa aaataggggt aggttcctgc
94201 aaacctctgg tcaactggcc aatacataac cttgttttat gtgtatttct gttgaaaaac
94261 accttatgta acatatatta ttgattcatt aacattgaac tcacatccag cggccatata
94321 actcatgcct gaatgaagct tatctaacgc atgtattttc tctgtaaggc acatcacagc
94381 cttctggcat ttagggacac caggcagcgc tgtgctcagg ggccattttg aacagtgaag
94441 ccaccaacaa aaagcataaa aatgtgaaga acgtggtaca aaattgatgg caaaaaggac
94501 acctgtttac aggataaggg ctgaaacgag aaggcctagt gtcaccttgt ttgacctcag
94561 gtaggaacgt gtgggttggg aactcgaatt tttcaccact ctgcatgtcc atgaatctct
94621 ctgaaagccc catgaatatt gattttgagg ttacaaataa acttaagcaa gcagggtgaat
94681 tggcaaatac ggaacttctg aataatgaga attgactgta tttgttcttc tctattaagt
94741 aacggggtct gttgcagatg gaagaaagaa aggggtgaaag atttttggag actcaggaga
94801 cttttttgaa aatgatttgc ccaaggcaca gaacaaaaac agtagttcat tggcctaagg
94861 tggagaaaata taattccttg catctccagc aatctgtctg cagttctctc cctgtgaaaa
94921 atgacttgcc ataataatac agccttggtt ctatgtaagt gtaattatat tttataaaaa
94981 aatagattta taaccaaaca ataagccgtg agattaacag cccagaactg gctgtgaact
95041 ttcagccatc taaccttggc actcctgctt ctccgcagca cttactttct gccaggagtg
95101 ggtgattgaa caccactgac cagggaagggc tcctgggagc cacatttttt gcttggcatt
95161 tttattgta aaaaccagtg ttccaccaac actgcaattc aacgaatcaa aagtcaaact
95221 catgcttaac aggaaaagat aaaagcatca acttaaagga atgaaacaaa tttgaaaagc
95281 aatggaaaag gaaactcata tggagtgaag tccattcaag acacgtttta ttgttttcc
95341 catatgcatt tgctgccag ctttgactat taaacattat tttttcttc tactaaaact
95401 aaatagtaat ttgacttcta gattcttcca gggctgtgct ctgaacagaa gcaaaatgga
95461 aatatttcag tagcttttta gacaactatt tcaaaagcaa acacatggtt gtctgcagag
95521 ttgtagggtta aagctataaa tttattttat taaacagaga ggaattgggt aaactgaaag

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FIGURE 1 (continued)

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95581 acactataac cctgacattt tcatgaaata atattcttgt ctgatttttt ttttagtttt
95641 tactcagata tcaactcaagt tacacataaa tggtaatttt tctttataat aagcttccat
95701 ctcttgtata aatttaaatgt gttcagtgat gactgtggat aaagtcacct aacgggtgatt
95761 ttctaaggga ggtaaacctt attgtcataa tttcctgggt attacctagt aaaacaagtt
95821 tttaaaaaac caaaaaacaa tagacttaaa accataaaga ctttttttagc attcagatta
95881 aataaaagaa agggtaaaat gttgacattt tcctaagaga taccagttct tcacattttt
95941 atataatctc ttaatatgaa gcatataatg tgtatattat aattatatat tttatatttt
96001 attatataaa attataatat aatataataa agtgttttata tttataatat aatataataa
96061 agtgatatatt atattatat tataatataa tataataaag tatatgttat aattttatat
96121 aataaaatat aaacatata attataatat acactttata tggtaaacag atcatagtct
96181 ctaccaatac atatatctga ttagatcacc atatgggaag tctgttcata ttttagtta
96241 ttgggttttt tttcaccaa gcaataaaat gtccagtatc aaataaataa gggcatatg
96301 attcccagat gacatgacca ggggtactcat aaaattcaga gaagctgagt cagatcattt
96361 caagaggaca aatgcagcgc tcccccaaat tcagtaactt gtggaatgta gcaatcttgt
96421 attttctctg agccaagcag cctgatgctg tcaaaactcat ctttcatttc ctctgcctta
96481 ccgcagtgtt agtggtttcg ttattagaag gaaaaaaatg cataaatgtc ttagttaaga
96541 tgaaattgca tctattaaaa taaagttgat cctaaatgat tctttcactc aaagtattaa
96601 tagactaaag gaaaatgttg caaactatga attagtggta tagtttatga acggtagctg
96661 ttgtgattca tgcataatcc ttttggttac cttataatga aaggttggtg ggtacagcct
96721 tcacatcaat gagaaaaatca acaaaatggt cttgaaaaga cgactggcaa actttctttt
96781 attttcttgt tctcattagt agaaagaggg acagggtcact ttcagaagga ttaaagggtc
96841 aaaaaatttg gtgaagggat gtctacacaa gccttttaga agctgttatc agaggatcag
96901 ctagaaaaca atcttagagc taatcctttg gctggatcca aagaaaaccc agcagattta
96961 agtttctctt ttttctctt tgttttctt tacaggggta tttccacaa aagcctttca
97021 gttgccttca tccaaagtta taggtcctga gtccctttca gctcttttat tctgtctcca
97081 agcctagccc ttcctagctc tgtcctccta ccttttctg atcttttcca tttgtctgt
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97201 atggagaact tcttctgagg gaaaaacaag actgattcac agaattctag cattaagag
97261 gactgtagaa attatctagt ctaccgcct tcttctccta ccattttaca ggtaaacaga
97321 attcacgaaa ttgcccaagg tcatgtccag gtagcgactg caccaggacc aaagctctgt
97381 caataataac tgcaaattgg ttgcaaagtc ctttgacaa ttcagctgc tctacctacc
97441 taaggcacta tgattattat tattataata cagatgttat tatacagagc cgaccgatg
97501 ggcaagattg ctgctgatga tgtgtgtgat gccaaactcac caagaccag tggcatcacg
97561 ctggcatgtt gaaaataaaa aggggtgaca tctgctttac atacagagcc tcatgacctg
97621 tactcatagc tggaggcatc agtcattgca ctacgagagg aagtggtgtt tgaataacct
97681 tggggttgat gtcccaagaa cacccttctt ccgctcctcc tccctgtact ccttgaactg
97741 ctgctcatgg gagcctgagt aatacagaaa ttggaggaca accacacagc acaagtgtag
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97861 ctgaggctct ccccatcccc ctacatgcc aaatgctcct tgtgtggctc acactccttg
97921 gtcttcagtc agagaggcca ggagcccacc tatacatctg tatcagggtt aggaagttgg
97981 ctcttggtta caatgttgaa tgcactttgc tattcactac ttttgtggtt agaaaagcct
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98101 cacaatttga gagctgaaac tggaaatgct ccctcagctg gtagtagaga gccaggatct
98161 gaaaactgac tcccaggtgg ctgcctggaa gcaagaaccc ccaaggtgtc tttctgctgc
98221 ttctctgggt tctcagacca gttacaatg acatcccctt tcatggggtg aatcccatgt
98281 tcttgacact aacacattat gctagatatg tatagtaagt agccaactta atcctttcaa
98341 aaccacaggg aagtgtttct tattacttca acttttaagt gaggaacgg aggcggaggt
98401 cacttagtgg tccagtcaca gacaaatggc tgggcttggg ttgacttggg agtcaagtct
98461 ttctgaagca aaagtctctg ctgttaaaca ctgctctgct gacctctaag gccagacca
98521 agaccagggt ccacttcagg ctcttttggg gcattttggc tcttggctgc aaaccaacc
98581 agaactgcca gaatcctacc tggaaactcac tcaaggtgct agaattaacc tgttctccaa
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98701 ctactgagat agccagagtt taggagaaag tttggctttt gaggtggggc cagacagcaa
98761 gtgaccagac tctagatcat tcatgaagaa acaaaaaccag aaagagatat ttgacaaaca
98821 ttcacttggg caattacagt gcttcttgaa ctgaaattca gttattcttt aaaaggatga
98881 ttttatcata ttcattgttt gaaggggagg attggagtat ctgcttggca agtgagtagt
98941 agtaatgtgg gccaaagtc gttagaaggg agatctcgcc cctggtcttg ttccagtgt

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FIGURE 1 (continued)

10043715-010902

99001 accataagtg ttcttgggta agtcacttct ttgtctctgg gtctccattt tctcattcgt  
 99061 agaataagggg ttggacttca ctaagaggta gatggttcta aagtagacag caattgtatg  
 99121 gaaaaatgtga ggcaggaacc tcagctttct ccgtttcctt agaaagtctg tctgtctcag  
 99181 gcttccttcc tattctccac tgaatctgct gctaattttg gtaacatggg gacttccaca  
 99241 tagcaatggt tactaacaatg tctaaggaca atgattatcg ggaatatatg cttctctggt  
 99301 tttccaaagt agataaatcc atatatgtca taactccctg acttccata caccaaaaag  
 99361 aaatacaaaa agtaccatga aaagaggag cactgccatg aacggtctcc ccttgaatgg  
 99421 ctagtatgta atgccaagac agtgccgtgt catttcaaag cctctcccat ccttgaatgg  
 99481 tcctgtgctc tcaactccgaa tttcttactt gagatcgcta ttggttgagc cttctcttca  
 99541 acagataatc tgtactacag tagactctaa aacagagctg tccaacagaa ctttccgcaa  
 99601 tgtagaaaaat gttacttgtg ctctgcagt gcataggtg actattgagc atttgaaatg  
 99661 tggccagtaa gactggacca agtgtttact tttatttaat tttcattaat ttaaatttaa  
 99721 atagccacaa gtgactgggt tctaccatat tggacagtgc agctctgcaa tattgccatc  
 99781 acataggcct ttgttgacag cattctgatt tctctgagac acaaagcgta catcataaca  
 99841 gggctatcct gaatactggc tttacaagca gactttcaaa agattgtttc tccatgtttt  
 99901 tcttgataac aagatttcat aacaataatg gtatgtcagt ctttttaaac tgtattctgt  
 99961 ttgagataac tgaattgttt cttgacttat ttcaactgaa tagttgaaa ggaatcccta  
 100021 tttgattcca tgggaataaa actgattcct tgggtgcgaa taaaaagaaa agtattatct  
 100081 cactttgtag gtttttccat tcaataatag aataaatttg aatgtacatt ttctaattggc  
 100141 ttccagtga ttagtaattt ttagtccaaa caattttttt ttttttagaa ggcattctgt  
 100201 tctgtcaccc aggtctggagt gcaacctcca tctctcagggt tccagtgtt ctcctgcctc  
 100261 agccttccca gtactggga ctacaggcgt gtgccaccac actaggctat ttttttgta  
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 100381 ggtgatccac ctaccttggc ttcccaaagt gcagggatta caggcgtgag ccaccgtgcc  
 100441 tggcctgat gccaacaat taataataaa agtagatttt cactttaaaa agggagcttt  
 100501 atataataat tcatttttcc taaaataatt gatatggaag atgaaattag gaaaaaaact  
 100561 ggtaaaaatc taagtgtttt attataaatc tcttatcctg agtaagctca agtgacagtc  
 100621 caagtatgtt tctaattaat taggccaata tttctttttt tttttttgtt aggaaacttt  
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 100861 ctccccccac ccacatcag gtaccgggtg gtgatgttcc ccaccctgtg tccaagtgtt  
 100921 ctcatgttcc aattccctcc tataagttag gatggtttcc aacatgcggg ggtgtttggt tttctgtcct  
 100981 tgctatagtt tgctcagaat gatggtttcc agcttcatcc atgtccctac aaaggacatg  
 101041 aactcatcct ttttatggct gcatagtatt ccatggtgta tatgtgccat attttcttaa  
 101101 tccagactat cattgatgga cattgggggt ggttccaagt ctttgcattt gtgaataatg  
 101161 taattaggcc agtatttctt aactggaaca aagattgagt aacattatcc acgcttatct  
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 101281 gagaaagtga tacctaggct ggaagagaag accaaaaagt cttacaaaat tgaacttta  
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 101401 tgttttagaa tttgtgaggg acatcagtaa gcaagagatt ctgactttgc tctggaatga  
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 101581 aactgttgtt cctatgggat ccgagctcca gttgaagaat gtttcatata cttctattct  
 101641 tgggtcagag aattgtctct actatagaaa gtgacttaac actcccaaac tgcactgtct  
 101701 gagaatgggc atttctcatg tactcaaagg ttaatacatg gaaatcaatc tcaggcctta  
 101761 aaaaaggaaa acccagcggg cgcgggtggc cacgcctgta atcccaccac tttgggaggc  
 101821 cgagggtggg ggtcacttg aggtcaggag ttcaagacca acctggccaa tatggtgaaa  
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 101941 ccagctactc gggaggctga ggcaagagaa tcacttgaac ccgggaggca gaagtgcag  
 102001 tgagttgaga tggcgccact gcaactccagc ctgggtgaca gggcaagact ctatctcaaa  
 102061 aaaaaaaaaa aaaaaaggga aacccaaaat gcagcagaaa accaatttaa gtccgtgctt  
 102121 ctatttcttt gtgatttggg tttcgtggga gtttgggctt gaggggatgt aggcgttctt  
 102181 ctggggtgtg atagcacatt tgtgccatga taaggccagt ccctgtccca gtggagtcac  
 102241 ttctcaagtc ctgctcatg gggaaagtga aggtctcccc tgccactct actccactc  
 102301 aagtggctgc agaagagggg gatattaggc accataggac aggaagagcc acagactcag  
 102361 tgacctctat gcaatgagga ggttggctag agcgcatthg tcagagaacc agctgtgaaa

FIGURE 1 (continued)

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102541	tcgtaggaag	agagatggag	aattcttccc	ttgcagtcaa	tttgtaagct	gatgcaagaa
102601	aaccaccatt	gtagccacaa	aatcaaaatc	aaagaggaaa	gtgaaagaat	aggaccagg
102661	caggctgtgc	aaccaagcat	ttccttttagc	tcctcttgac	caaaggcatc	ccaatttccc
102721	agtgaagatg	aattagaaat	tacatgagaa	ccatacggta	gattattttct	ggattggtgt
102781	ataaatatat	acagcactga	cgccaattgt	ttgaaaaact	gcatgtgtta	tatcagttgg
102841	gtgagtttag	ctcttctcaa	tggatctttt	agttattgga	ataaaattcc	aacttatagc
102901	aacttcttca	gtataaatta	ggcagacttt	cagcaagtcc	tgtgaatacc	cagttcctgg
102961	cacacagtgg	gcctcattac	aagttgactg	aagaacctca	gttctgggtt	ctgtgacaat
103021	tctgggccca	gagttgtcac	agggc aaatg	agataagcag	cattgcttgg	agaatgttgc
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103141	tgtctccata	aaccatttta	aaaatacaca	tgtaaacata	ataggattgc	taattatact
103201	tggatgttct	tggttccttt	tctgactcta	taataaagcc	tcaaaatgct	agctaggtca
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103321	tacactttgg	tcaatggata	taaaca aaag	aaatgtgtaa	ggctccagga	tctatctttt
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103441	tatgatggct	taagctagaa	gaaccatttt	ggaccataaa	gtaaaaatcc	tctgttgaaa
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103681	gctattcagg	aggctaaggc	aggagaatca	cttgagccca	gaaggcagag	gttgtagtga
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103801	aaacagaaaa	ggaaaaagaa	agaaaaataga	atagcatgat	aaaaggagt	taggttgagt
103861	gagagagagg	at ttggtgga	acagaggtta	t aaagtaaaa	taaaagcaaa	ggtattatgg
103921	ataaaatcca	tggttcagaca	tcatcattct	gattgcttat	aggcagaatt	ggtagaattc
103981	aggtaggcca	gatgccatga	aattttgtat	tgacaaagag	accagcagtc	tagactgcaa
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104281	tgataatatt	tagagataag	gaactattat	gtgattctca	gtttttaatt	tttctgagt
104341	ggagaaatgt	ttgtttatat	aaagtttgct	ctgttcttat	tggacttgta	ggtgtgttgt
104401	attaggtaac	ttacatttct	at ttgtagg	gcccctgaaa	atgagtagtt	acactcagac
104461	ctgataaaga	gcatggaata	gtacctgaaa	atcctggact	tagaaccaga	tgcattgaatt
104521	tggtggaact	ctgggattct	ttatctggga	gtacaggggt	tgagtacatt	tcaaacatgg
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104701	tacaactccc	aggaattgtc	tttaattggga	gatcatgtgg	ctttatcttg	tctctttttt
104761	gcatcctgct	gcctggaaca	cagatgtgat	ggctgggtgt	gatcctgctg	tgtgctgagg
104821	gagatggaac	atcaaggtag	aaagcactgg	accttctaag	catgggtggag	ccattatgcc
104881	agccctggat	cattttacatt	cagatgagt	tgcaaatttt	tattccctta	aagccactta
104941	gattttgaa	tttcagtcac	tctcagctga	acccaatcct	tactgctctt	ggaagacatt
105001	tacactgtgg	gaaccttagg	atgcactttt	ttttcttttc	tttctttctt	tctttttttt
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105121	ggctcaccgc	aacctctgcc	tctggtgttc	aagcgattct	cctgcctcag	cctcctgagt
105181	agctgttatt	acagggtgtgc	acccacacc	cggctaattt	ttgtattttt	agtagagacc
105241	gggttttgg	ttctccatgt	tggccaggct	ggtcttgaac	tcctgacctc	aggtgatctg
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105361	gatcttggtg	ggagagatgg	ctcaaggaga	ggaaaagagg	gaggtattag	tacaactggg
105421	tttttatagg	cccagcacta	gcttcataaa	agttatttgc	aaaaaaagta	cgggtctgtg
105481	tttttgtctg	atgaggtggc	ccattgctct	atggtaagt	gaatacataa	ttgctcacct
105541	ttgcttttgg	aaattaaatg	tatttagaat	tgaaccagc	ttatggtttt	cttctcttac
105601	tcatgttcat	agaagatgat	cctatgagta	acactttttt	tggagactca	atcattgttt
105661	ccagtctctt	gcattctcta	gtaggtgggt	tatcttcagt	aacttttgca	aattgcatca
105721	acatacttgc	ctcctacaaa	tttaaactca	ataaaccaag	gagaacaagg	gtgtgatggt
105781	gggaatttct	tttgaaagag	tcaagcccat	gctgtgcagg	ctgcacccat	ctttactgca

FIGURE 1 (continued)

105841	ttcccataaa	aggcttgggg	gaaggaagtt	aaaccataac	cccgttaggt	aataggctat
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105961	caacagcata	ttcctctttg	ctgcaaagct	gtttcacttc	aggtgagacc	caggaagcag
106021	cctgggaatt	ccttgaccat	cgataccaaa	ggctttctgg	aggtgtgcag	tctctaggga
106081	tttgagggtg	tcgcccaca	gtcagtgtga	ttttacaacc	agttctctct	aggctaattt
106141	ctaacgcagg	gaatgagaat	ggtcatgctg	aaaagtggta	gagagatttg	actcgcctga
106201	ttgcaaggac	caggtctacc	accagtaat	tgtgtggact	agaaggtggg	ggagtgahta
106261	gtgacctctg	aagagtgtga	cctctcaagc	caactgcttg	agctccaatt	ctgcctctgc
106321	tactttgtga	ctgtgtagcc	ctgggaaagt	tattttacct	ctctgtgcct	cagtcatttc
106381	ctctataaaa	taggtctcta	tatggacct	ccttataagg	ttgctgtgag	tggcacatgc
106441	aaatgtgttt	ataaagtata	tcccatggta	tgtggcgtaa	tttatttttt	gaggggagat
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106561	gctccctggg	taggtggctt	tggatcgctg	ctcaccttgc	caggtccctc	tggctcctcc
106621	ttggctgaac	atgctttgac	tacactgacc	tttctgtttc	tccagccctc	ctcatggcct
106681	gtatataata	tttcttcag	ttggaatgct	ctctattaac	cattatgatt	ctcatgaagg
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106921	cttttgattc	cccaaaaaact	taactagtaa	taaccgcgtg	ttgaccagaa	accttagtga
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107041	tatgataaag	taagttaaga	aaagaaaatg	ttatttaaaa	aatcataaag	aagagaaaaat
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107161	cacattgagt	aaagaggagg	aggaggagga	gaggaggagg	aggaggagga	gaggaggagg
107221	aggaggggct	ggtcttgatg	tctcaggggc	ggcagagggtg	gaagagggtg	aggaggtggg
107281	aggagggcag	gagagggcag	cacactgggg	gtaactatta	ttaatgaaaa	tccttgtgca
107341	agtgatctg	cacagttcaa	cccatgttat	tcaagggtca	actgtattcc	tatctgtact
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107641	taatgtattt	gtcatgtgga	tgagtaaact	gtaccatagt	gatttgaatt	taattcacta
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107761	taacctaat	tatacaaata	ttcttttttt	atttgtcaat	tgagaaagta	tttagttact
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107881	taagacttgt	agcacagcca	ttctgataga	ttttgttctc	agaattcatt	tatcctctaa
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108001	atataattac	tatatcaaag	aaatatttta	aaaacattta	aaatatttat	ttgtttaaag
108061	caataataaa	ctcaatacaa	attaaataaa	ttactaatt	ttataaaaat	taattatatt
108121	ttcctatgga	tcttttgccc	atgcatgatt	ttgccaggta	atgcatcaat	catttgga
108181	atattaattc	attgagtga	tatttgacct	ttcaaagtgt	ggctatacaa	tattttgaaa
108241	aatcacattt	gttactatca	ctgatctcat	tagaaaagtc	tttgaggcat	tgggaagctg
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108361	atgttatttt	cagcaacgaa	taatgtttgt	tattttcctt	gaagtgcag	gctctctatt
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108481	tgtcttttag	ggaaaaaatg	cttccatgca	aaaataggct	atttcagcct	acaactcata
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108961	tttaaaaaat	tctaccctga	aaatatttca	gaatgtaaga	agtggcaata	attataataa
109021	gtggctacaa	actccacttt	gaatgcattt	tcagcagctt	ttttcctaaa	catttatcac
109081	gtattatttt	attttaacat	gtctctgtga	tatgggtaca	taggacttga	tatcatctct
109141	gttttagaga	tgaggaaact	gagaaaaaaa	tgactagatt	caccacccat	tgcttaggaa
109201	actggcggtg	gaactgggta	gctctcctga	tgaatatttc	aatgcctttt	cttttcacc

FIGURE 1 (continued)



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109321	tattccaatg	agcccagtga	ctttggaaat	ccctaaagtg	gagtgttcca	agtaactgaa
109381	aacctggggg	gaaagagtga	cctctgtgag	cttttccagc	ttccacttct	gctgatgggt
109441	ggaagttcat	aggaaggaag	acattctctt	agcctgggct	atgtcccttg	ctaaatttag
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109561	gctctcattc	tgaagaaca	aatgcatttt	tccttccctt	ttggaaccag	atagtaaact
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110341	gtgccaagaa	tatcaatcag	ttcaaaaagtc	cctctcctga	gagccactgg	caagatcctg
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111841	aggataaata	aagtcataag	gttagggctc	taatccaatg	aggctgggtg	ccttataaga
111901	agaaaaggag	atactagatc	tctctttctc	cctccactct	tgtcttctgc	tccacaaaagg
111961	aaatatcaat	ggatattcct	cacaagtcta	aactgagaac	agtaaagcta	gaaacaacaa
112021	gacgagggga	aagaaaaggc	aaaagattat	acaaaaggag	gaaaagagat	aggaaaagca
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112261	ctatggtatt	tattatggca	ggccaagctg	actaatataa	ccctcacctc	ctctgtctca
112321	tttctgggta	gctatcctga	aattcatgat	tctgacattc	tctatatgc	aaagaacatt
112381	gaagtctatg	agcagactga	atgtatatgt	ctaaatatcc	ttgtgaacta	agcatgatgg
112441	aagagaggag	acaagaatag	ccacactcca	ctgaatgaca	agtcaaagat	tgcaatgagc
112501	aactctttta	cctggcttgc	ctgagataat	tttgatacat	tacactaagc	ttcaggagag
112561	tgaaaggggtg	taggttatgt	caattagctt	gtggactttt	tgcaaaccat	gtgattaagg
112621	ctggtgacat	tctgcatcag	gttttaacaa	aacaagggtt	ctaaagttag	tttggataca

FIGURE 1 (continued)

112681	ttgatttttc	ttacaccacc	actgttgcta	gttgggtata	ttaagtata	ttatagcata
112741	cgtgcaaagg	gaaatgatta	tttgggacag	tgaaaaaac	tgtatattca	atgtgatgat
112801	agaacaagt	tgaaggctga	gtttggcaat	tttgggtttg	atcctcaacc	tctaattttt
112861	gcaagtttgg	agccatgatc	ttctaattat	ttagcacaaa	tgttgaagaa	gttagacaca
112921	aatgagtc	agttaatcta	tcacattcat	ttttaaaact	tagtggttct	atgaatcatc
112981	tgaagagctt	gttaagagcc	agtgaagttt	cgggtgagcc	tcagattttg	tatttctaac
113041	aagtttcagc	tcatatcaat	gctgctggtc	catgaactgt	acttggagta	gcaaggatct
113101	agaatactgt	gtgtcagatg	gaaagatgag	acatttagtt	tttctccatg	aataaaatc
113161	gtgagattca	actgttgctt	tgttttgcaa	tactatggga	ttcctctcta	aaaattgttc
113221	aaaatctcat	gctttgaaga	actacattat	atggattgta	aaatgactta	agcaggaagt
113281	acttgacatg	aatatgtgct	taataaatat	tgattgggtg	atttctgaaa	agtagatctt
113341	cagagatgta	aggcaaatgt	cttccagtaa	tataaaatga	tacatcccta	cttaggggat
113401	ctaggatgct	atgcattgag	acaagacaaa	gtttatgggtg	tcagagccag	agagaaagca
113461	aggggtgatct	gagcccagca	acacagctcc	attgtaaata	gctgctcacc	tggggcaaac
113521	aagtgtctata	ggatatgata	aggaaggttc	atttcatcat	tttatggctg	tgatcatcct
113581	ggagtgaaag	aaaggcatta	acgagtttgg	taagagctgg	caaagccaga	gtccttattt
113641	gcaaggcatg	gtaagcctat	gggtgtgtta	tcatttactt	cattgtgatt	tacgacagtc
113701	ctactgctga	ttatacctct	ctgacccctt	cagggttggg	tggaagttgt	ttagatccta
113761	cctttttctc	tccagacacc	agagactgcc	agaaccacgc	tcacctgtga	gtgaaacaag
113821	caaattccct	ggcatcaagg	ggaagttaaa	acttctattt	gaaacaactt	tttgaacact
113881	tttggcatat	gtggaaatgt	acatatcac	acacgcatat	gtatgtggat	tatgtaaggg
113941	gttataataa	agtaaaatta	agattcaaga	gcatttttga	ctttaagaaa	aatattcctg
114001	acccatgcac	tcttatgtaa	cctgatccct	cagaagcata	caagataaat	caaatttaca
114061	gagttacaaa	aaagtgttca	ctgactgctg	gaaaatatat	gatgtcatat	ttgtggttaa
114121	tggcctaagt	tagattaaaa	agatgcactt	ttttgtattt	tgatgatttg	tccttgtttt
114181	tttctgtttt	agttagactt	gaccatggaa	ttgatactct	gtcaataaat	tctttatcct
114241	tcactgttgc	caactggtaag	aatagctaaa	ggttttgcag	gataattgcc	ttgaagaagg
114301	tatcttcaga	atccatttat	ttcaattatt	tgccaatatt	attcaaaatt	tcttgccttc
114361	ttatcactat	caatgagtag	aaattttcag	gattgctaag	agtttgttat	gctttgtggg
114421	agaaattctg	tgtaagattg	agttttgaaa	aaattccatg	ttgcataatc	tggggaaatg
114481	cctgttcatg	cctatatctg	agcaaacctt	gtaacttggt	tataaaggaa	aaaagatttg
114541	aaatttaaaa	tttggcaatt	aggagcacat	taactctcct	tgtctacaat	ttttatcgca
114601	ccataaaaaa	acacttttaa	gaaaaaaaat	agcattcctt	ttaaagggtt	ctttcaaaag
114661	atatcccttt	aggagatggg	agttaaataa	caaaatcaat	tactctcttt	gttgggttaag
114721	tcaaggactc	cctaagccca	aattttgagt	gcctcttggc	atctttgtat	ataacaactg
114781	gaggttatcc	acacattaat	tgcccttaat	actattcaaa	tgcataatca	aatccaacaa
114841	gtcatttctg	cttaactgat	gcaacacaga	tgatgccatg	cttcttgaga	ctgaaagggt
114901	tgctaaggaa	attgcctcta	aaattatggc	aagtataaaa	taaaggacta	ttagaggaga
114961	taccacctta	gctgctgtac	ctagggtatc	tgataaagga	tatatcacia	cactcattca
115021	taactgaaag	gatattaaaa	tcacaaataa	gcaaaagacc	aaagataact	taagccatac
115081	cccaaaaagc	taattaaacta	ataagttatt	ttactgttta	acagaatgaa	gagattaatg
115141	gtagacaact	ctttagctgg	aatattggaa	agacttacac	aatgaaagca	ataagtgaca
115201	tagatcttgc	taaaaatcaa	taaagcaagt	aaagccaggt	ggcacactat	ttaacgtgaa
115261	tcaatgtgaa	tgatatctca	tcaaacttga	ggtgtcattc	agaaggaat	acttgctatt
115321	tctgtctcct	aaattttcaa	gaagacatta	caagtgtcta	aaatgagcac	actcttaggt
115381	gacctgtata	gaagtgcatt	ttatatattc	ttgtgaaacg	tgccccaaaa	gttaaagaaa
115441	ccaataactc	atataaaattc	ttgggtttgc	aggatgtcag	attaaaaaca	agaaacagct
115501	tcctgaaaca	ctaaaactcc	ctccacttgt	aagacaacaa	aactggctga	aatcttttgc
115561	aaccgatacg	gccagctgga	gtttgacacg	aacaagcttg	ctgatgtcac	agcctggatt
115621	tccactgcac	gttttatatt	aactcctccc	caaatttgca	catgggacct	ataaggaagc
115681	acaaagggat	gactgtgcgt	gcctgagggg	ctttcagacc	tctcctttcc	tcccaccaat
115741	tacctgtctaa	tctcagaatc	cacctctcta	aaccttttct	agtaaaagta	ttgccttaaa
115801	accagcacag	agagatggat	ctgagcttga	ctcatatctc	cttgaagtc	aacttgcaat
115861	aaatagcttt	tctttctcaa	aaacttggtg	ttatattatt	ggattctaga	acattgggca
115921	gcaagttcct	tttgcttgat	agcacttttg	tataaatgtg	tatgtgtaag	gatgtaatta
115981	acagcatcct	tttaggtttc	tgcattttata	ttaggccaaa	tcgatatacc	ttttagatat
116041	tgctggactt	ggattcaatt	tgctttgttc	tccatttcat	ttactaaaat	ctgggtctaa

FIGURE 1 (continued)

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116101 tgtaagagtt cttggtatat tacataaaca taaatcattg ctgctgaagt tctaatagga
116161 ctctgttgct acttgcagaa accagctttg aggtagtcaa ggaaagagga taaagaaaag
116221 aacaaaactg aggttttaat ttcatacatg atttgtgtct ttgacagtgc ttttgtttca
116281 tacaaaacac aaacgaaata aaaatttagg ttccatttct gtcccttgcc atgttaactg
116341 tccaatataa aaagaattga gcattatgaa gtagggttct gcagcttgct agataataaa
116401 gatattgaaa gaaggggttca atttgggttg gatgccataa gtggggaagc atcctgcattg
116461 ttcacgttgg ctctccagaa ctttcaggac ttgataattc tgcaggaacg caaggtgggg
116521 gcctgacttc tcttaagcca caccaatgcc agttaaattt gggattgaca gaaaagtaga
116581 gaaagaatag ttaagtttgc atgaacttca tttatgtctt ttttttcatg tgtgtattca
116641 tgcagtgttc actccctact cactataagc cacgtgctct gcaagatact agatatacaa
116701 agatgaataa atttgtcctt gaggaacaag taattataaa gttagaagat aaagataaaa
116761 atatccaacc tgtattgaaa aagaagaaaa agaagaagag gaagaggaga ggtagaggaa
116821 atcacctatg aagaaactga aatccaacta acctcagagg agttctttta aactctacat
116881 gccaaaagaca atgaagcaac taacagaatt ataggggaaa agtttgtgac caaactataa
116941 tctatgttta ttctttgtgg cgaggacctt aaaatataac cccacacact caaagggaaa
117001 aatgcttgaa cacatttctat agcctgccaa gattttcata aaatgaagag cttaaattga
117061 gttagaaaca gactcccaat gagcaatgaa attagcaatt tgaaagatgc atgcaactgt
117121 caaaaaaggg agagagaaga tacataatga aaaaataatc actttttcag taatttttat
117181 cagacccccct cctatatgct agacagcatt ctagtcaatg agattacaac agtaaaattaa
117241 acagacaaaa attaagcaga atgcaaagtc tgcctttata aagcctatat tctacaggag
117301 aatcagaaaa taacaagat acaaaaaatg catagtatga aatcacataa tacctcaagt
117361 cttaatagca aaaactagca tatggatata aaaggataga aaaagtgaat gaaaaaggga
117421 taaatatttt agcttatgta gaagaggaag aaaagacttt aatttccagg aatttacaca
117481 cacatgtgca cacacaaaat gtagggtaga aaaattattg cttagacaaa atagaagtca
117541 aagggaaacag cattaaatag gacaaaaaga ataactcata ctactactac taataataaa
117601 agtcaacaca ttcaaagtcc atcttcttat tcttcactg actcagtttc tgccttggcc
117661 tctctaagtg aggggtattgt cctactggcc ccaaagccag gccaaaaacc tgggcatcat
117721 tctttactcc tctgtccctg cgcacaccca atctaccgcc cgtgacgttt tgtttttcta
117781 cctcctaaat acatctcaat ccctctcctt ccctttgtgc tttctgacat tttgtcattt
117841 tagaacacca tcatctctta cctggccttc tacctcaacc ctctaactgg ttcccttggc
117901 tcctgcttgt tttcatcaaa tctactatcc atggggagct ccaaactatc tttcagtcta
117961 cccatctgat tataacatta ttctgtgtaa aacacctttg gcatcccatg gtccagaact
118021 ccttaatgtc accctctgta gtttaactgt tgattatctc tccaggctgg tatctcattt
118081 gttgcttttt atatccagcc acgtgagcat ttgcaattcc caaatactgg gtcagccgct
118141 ttctcacctt gaggggtgtt cctctgcect ggtaccgctt cttcttccgt ctccctttgc
118201 ctggccaatt cctattgagt tttagaccca cttctccttg taaacctttc ctactctcc
118261 actctgccaa atctggtcga gttcctattc tgagtgttcc aatagaacct tgaacttccc
118321 ctatcatagt acctttccac ttgattataa cagcctgttg atatgtctgg agtccacacc
118381 agattgtaaa ccccataaag ctgtggacca tatccccagg acaagatct atccagaagg
118441 ggttttaata ttaaattgaga aatattattt aaaaagaagt aagaatgcaa cctaagaatt
118501 tggaaaagag aaaaataaag caaaagaaat catcagaagg atttgaccaa gattaaaaga
118561 aaataaatca gaaagtagaa aaattgtatt tctttgaaag aaaacatgca cataataaag
118621 tgcataaatc tgtagcattt tatatataat caagagaagt tgtatgcact caattgaaaa
118681 atttatgaga aatttatgag aaaggacaac agatatcaag gatattacaa attatgctta
118741 tgatttagaa taatttttaa aatggcaaat ttcctatcta aacataaatg atcaaaattg
118801 tcttaataat taagaaatct gaaatctcca gtaactcaga aagaatttga aaaagtactc
118861 aataattact tcaaaaaatg gatactaacc tgggcaactt tacagctttc acattttcaa
118921 gaagcaggta atttctttca gataaattgt tccgtgggat aaaacaagat gaaagaaatt
118981 atcaaattca ttttatgaag atgaaatgat tctgtttcaa aaagccaaat aaataacaaa
119041 cacaaaactc ttgaattgaa tagtaatctt atttttgaat acaactgcag aaatccttaa
119101 aagaattaca atttcaaaac aatagcacct tcataaatta tccaccacat ccaagtaggg
119161 ttattcctgg aattcaagaa tagctcaatc agagagaaat aggttagcat actacatcaa
119221 tggatctaaa aagaaaaaaa ttataaagct cataaagtca tttcaatgcc atttgaata
119281 acaattctta gaaaacttaa acacaaatgg catttattca aattgtcagt gatattctgat
119341 ggctaaagag tagaggtact ctctctcatt aaaagcagga acaagaccag gaagtctaatt
119401 atcaccatga ctatttataa gaatgctctg aacatcagtt tgtgcttgta tttgacaaa
119461 gtctgccaat gtgtttttgc tttgattttg gctgtggaag tctgaagaga caaatgtctg

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FIGURE 1 (continued)

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119521 cttcaactgg ctttctagcg tccctgagat agttcctagt caaggatcat gtgactattt
119581 aggttaccat cacatgtaat cattaatgat tgggagttcc aatattaact gacagaccaa
119641 tagtctaagc cctataacat cttcattttt atagggtcaaa acaattgaat atcagctatt
119701 tcttatgact tagtctaaaa caaatattga gagagagtgt gtttgctaaa taactttaaa
119761 gaggacagta aatctctcta aagatatgtt ggaatgtctc acaaataagc cagggttgta
119821 caaggtaacac aataaagagg gatctgcttc tagtttcaac ttttcttatt catcctggat
119881 aaggtgctta ggaaccactg taaccactct taactcctct aaaaagctgg cacaggaaac
119941 aagacggctt ggccagtgcg gtagctcacg cttgtaatcc cagcattttg agagcccaag
120001 gcaggaggat catttttagct caggagtttg agaccagctt aggcaacaaa gcgagagtcc
120061 catctctaca gaaaaataaa ataaaaataa tagccagaca tgggtgtgca cgtctacagt
120121 cccagctact tgggaggctg aggcgggagc attgcttgag ccaggaggc cgaggctaca
120181 gtgagctatg attgcaccac tgcgctccag cgtgggcaac agagtgcag cttgtcaaac
120241 aaaacaaaac cgcaaaaaca acaaaagacc ccccgcccc taaaacccaa aaaagaccat
120301 taggcacctg aactcaaaat gtttaaaatg tttttcctca cctgcccacc tctaccctcc
120361 acagtgcgac atcaacctaa taacaagaga gagcaacaag gcctggggtc ctttgctgg
120421 agcacagtcc caaggtgcat ccgtctgtga cccaggtaag catgtgtctt cccaaggaggc
120481 caaaagcatg gaaaccaaac tgcagacttt ctccctatga gctcccgcat gcaccaagt
120541 atgctggctg aggttttctt gggctctgtg cacaacaata tccattttga accatccaag
120601 gtttataaaa aacattaata acaatataat agaaggatag aattagattg tatagtagta
120661 gtaattcttg tagaattggt tgcatactag tactcattgt caaataaaat aatcattaag
120721 aaccatattt aatttgcagt taactgaact tacttaagct gtgactattt caggagtaat
120781 ggtcctgctt ggaaattctt cacattctgt acagacgtat taaaggcaga atagcacatt
120841 atcacctcaa attttcatga ggaggtaaaa ctaaaatcat gtacaacaat ctcaatgaca
120901 tatcgatata atgaagagta tgaaaaagag taagagaaaa atgaggaacc aaaaacacat
120961 ttgatgttgc taatctaatt tcaaaatagc agacttaaca aacttactct aagaaaaataa
121021 tcctatatat ctgagctctc aaggccagat atatttataa gcctgttgaa atgatttatg
121081 caaactgaca attgaagcag ttgaagatga aggagtattc agattttcac agtctgtgat
121141 gcctaggtac aaatctcttc tttgtatgca ttttactaga aaaatttcct aaattccatt
121201 ctgctgggca caaaaagtta ttgacaaact aaatgtgcc tttctgcac ttgtgtatca
121261 gttgttgga caagcaggac ccaccagaag tcctttaaat ttaataggat tcatgggtgag
121321 tttatgctga atttgctaga tttctctttt acatgcttaa tgagggattt tggggataga
121381 agctaacaaa ataattgagtc tggctgtgga aatatctgta gaattgaaaa tcagtaaaaa
121441 caattacaat caacaatgag tacacatgat gaaggcctca agtgatttag agtattgaaa
121501 tatacactat tttaatcata gtttccagtt gtgtttggaa aataattatg acacagtgtg
121561 ttttaacaga attacctatc ttaagaaaga ttacaggact cttcatttct tactctttga
121621 ttgaagacaa actacacgga gtataagagg ttttggaaac ggtttgtcat gcttataaaa
121681 gataaggaag cccctctcac atgtaaaaag gctgctcgaa caaaataaag cctcaatatt
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121801 attttttcag agaaagtagt ttgttctttg caaactgctc aagtaataat caaactgagg
121861 agtgcaaaat aattctgaca tatttgaca tgaggagtgc aaataattct gacacgatta
121921 ctactattaa aatactccta tcaccctgct ttggaagaaa tgctgcaatt agtatacaga
121981 cagtgtatac taattagtat aattgcaagc ggaggtgcag agggaaaatc agacttatt
122041 cttttatttg aaaagctggc tgggtgtgga ggctcatgcc tgtaatccca gcaccgagag
122101 gccaaagccg gaagatcatc tgaggccagg agttcgagac cagactgggc aacatagtga
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122221 gctactcagg agactgagca gggaggatgg cttgagcctg ggaggtcaag gctgccagt
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122341 aaaaaaaaaa aaaaaaagcc aattacattc agtcgcaaca tttctagatc aaaggtttga
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122461 gtgaagggtg aatccaaag cgtgattctg aaagtattcg gaaagcatct cctttcaacg
122521 tgtgtgaacc ttacattggt gaggctgtat cagtggaact gcatcatcac cattgaccaa
122581 atcttcaagg ctagcagttt aaaacaaagt gtctttccct tctttggtac tgctagagag
122641 aaaggaaaag ccactgacaa catctctatc tctatcagca gtgcctatct tgctagagct
122701 agacaagaca gctccctaac accatgatga aactgagcat tcattcaaca tcatctgtgt
122761 gcagcatggt acccacagga gcaatctagt gactaacagg gccatggaat ttctgtcct
122821 cagccataac atcaaattta aaaaattaaa ctactaaaaa tgtaaatgac atttataatg
122881 atcactataa ttcataatat aattatgata aattttgggt taattatata ttctgtcat

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FIGURE 1 (continued)

122941	ttatTTTTatg	ttgacaatac	atgggtgttgg	ctaaatatta	attcttaaca	tttggccttt
123001	ctgtatTTTct	ttaaattgta	tggtcactgt	cctTTTactt	aatagtatcc	tgaaaatact
123061	ggctaattgca	ttaaatcatg	aaatagaaat	gaagtataat	tccttaagga	gaggacataa
123121	aattaatact	atttacagat	gacacaaata	taatgctagg	aaacctataa	gcatcaactg
123181	gaatagTTTT	agaattaatg	agcattcatt	agcaacctaa	aatgTTtagca	gcatagagat
123241	ttaaagtaag	atttaaataa	ttataatat	taaataataa	aaaataagat	ttaaataatt
123301	agaaagatta	ttataaaaaag	aaagaacttt	tactagttaa	aaaaattggc	actgtaaaga
123361	tgtaaatact	tcttaattaa	tttgtttggt	taacaaactc	ctggtcagat	ttccagcaga
123421	atTTtatttta	gagcttaaat	atcaaaatat	catctagaga	aataagtggg	taaaagtggc
123481	taatTTTTtaa	aaatcaaagt	gatggaaaga	aaattaatct	ttcagataga	cactatatta
123541	caaagtaaca	ttaggtaaaa	tggtacgatt	ttactgaaag	aaaaggaaag	atagctctca
123601	aacaaaatag	atagaaatat	attacaaact	tatggagaag	ggaaggaaat	tgttgtaaat
123661	accttaagga	taattagttc	tttagggaga	aacaatcaag	aacctcctct	cTTTcatcta
123721	ccattagttg	agttaatat	taataagagc	ttctagtagt	gcctgacaca	aatatgcttt
123781	atataggtat	ttattaaata	aagaaaacaa	ataagatacc	aagataaatc	taaaaacttt
123841	aaagtaaaat	aattaaccct	atagaaataa	atactggtga	cttgagaatt	tctctacaaa
123901	aaaaggtaaaa	aattgattta	tttagtacat	ttgttccatg	ccggaaacaa	aatagaaagc
123961	aaacaaacat	ctgggtaaaa	tatttcttag	caaacatggt	agacaaatat	ataaaaaact
124021	cttaaaaaaac	aataagaaaa	ttagtaagag	ttcttgTTaa	gtaaagaaca	cagacaagtg
124081	acaaaaatat	gacatttctga	tagattttatg	ataataatac	ttattcaagg	tcataccatt
124141	tttaaaaaatt	ggtgaagact	tcaaataatc	tccatgTTTT	agaatactgt	taaaattTTta
124201	aaatcaaaaag	taaggagctc	atggTTaaaa	ggatctcata	atgaaaaatca	agcttcttgc
124261	cttctcctcc	ctactctgag	ttcaattctc	tgaaagcaag	cacttaactt	tgTTgcttct
124321	tatatTTtacc	ttcatgtctg	tgagtggtaa	acataaactg	cTTTTcctgt	tttatcagtt
124381	ttatacctta	gatatttgatt	tctgcagtaa	caaatgaaat	ttcagctctc	agtgcatacc
124441	ttcctctTTTT	tcccattcta	cccattgtaat	tatatcactt	tcaaactcatt	gatgtcatat
124501	aaccacataa	atattgTTcc	ctgcgaaact	cactaatgTT	ttacgattat	atgcctTTta
124561	ctgtctTTTTg	ccccctgtc	cctctggagt	ttctgattgc	cTTTTattttt	tttagcactt
124621	aattgcctTTt	atcatattgt	TTTTttcaaa	ctcttgatta	tatcaggtgt	gttagcaaat
124681	tatctcctgg	acttagacca	ctgttccata	aacctagatc	TTTTtgacc	aatcttggct
124741	acttgctctg	caaagatttg	ttgaaatgct	gtatgaaaag	agggagtggg	gagacactca
124801	aacagtgtctg	gtagagtata	aattgTTtaca	accaccctag	aaagcaagtt	gtcactatat
124861	gacaaaagct	ataaacattc	aaagactTTg	accctacttt	tcacttctag	aaattgcttc
124921	taagaaaaata	atcagaaatg	tcattcagat	ttgtgtgcaa	agatgataac	tgtaatgatg
124981	tttatgtgaa	aaagtggag	taacttgagt	gcccagttat	ttgtgagtcg	ttagtagatt
125041	gtggagtact	ctagattcat	taaaattcat	tggtagagca	cTTTTgaaat	ctgcttcagg
125101	gaaacacctc	gaagagaaaa	gtagctatct	tcaagcgact	aaaactgaag	tataataaga
125161	gaaccatgtg	attcaagcaa	gtccacaaca	gagccaacag	agtctgcttt	caaaggaatc
125221	tgcaaattga	aggatacaaa	caggtagcgt	ccgaaatctc	aagggtggaa	ttattgctg
125281	tagtgtgcct	gtgcacatgg	gcaaccctat	gtagcatgca	tgttccagat	gggtaacagg
125341	tgcttgattt	tttaatgtaa	tgatggttgt	gctgctccca	agcaatgaga	aagagggcag
125401	ctgtggatga	atgggcgtag	ggaataggta	aggatgtgaa	actgacaagg	aagggaagcg
125461	gtgttatTTaa	ataaaggctg	aatattcaca	caggggatac	agaacacttc	ccctaattgct
125521	aagggtgctga	ggaaaggctg	tgtgggagat	gagtagatgc	acgttgagaa	ttatgagggg
125581	aattacgtca	tcaggggaaa	tccaggtttc	acctgggatg	aggcggcggc	gcatgtattt
125641	aaagaacaga	ttgcaaattt	ctgagctcct	tggcagcaga	gcagggtttc	cagaagacat
125701	atggTTtacag	ttaaaggaag	ggtcaaaaag	ggaaggatgt	gtcacagaaa	ggtcaggctg
125761	ctctcaatgg	aatggagact	tatagacatg	gagagagggg	tcgccagaat	tagtccctta
125821	gataactagg	gaggagaaat	tctgggagtt	gaggggtaca	gagcaaaggc	atcaacagaa
125881	caaatgggac	agaactggca	gccccagcat	ttcaaatgaa	acttcggaat	gaactagggg
125941	agatacctcc	acaaactatt	gtttcaacta	tctcaggtac	acctaatTgc	cataggccta
126001	tcagcatttt	tgaggTTgac	ttcatgcaca	aatattTTTTg	ggaaaacctg	atggctaagt
126061	aattttgaata	aacgccttga	agggaaatgaa	gtggtaggga	agatggattt	ggaattatct
126121	gttcctTTTTt	tgtaaaagca	tagatgagag	aggctttggg	gtacaccaac	aaaagacaga
126181	aaatgcagta	ttagctcaag	aaacctgggc	caggttgTTt	gccttgaggg	agcaagaggc
126241	ttgtgtggga	gccttccggg	actgtgtgaa	atcttgctg	agTTTTgagt	caaggctgac
126301	cagatgcagg	tctggcttcc	cagagagtag	atctcactcc	cttgctgaag	cacaaatctg

FIGURE 1 (continued)

10043715.010902

126361	ctgggagtg	cgctgacttt	ggactcgagg	aagagtgaga	gtaaattagt	aaacaaacta
126421	aaataggaaa	taaaaatgat	ttatgggttg	taagtagaca	cataaaaatt	ttcaaggccg
126481	ggtacggcag	ctcatgcctg	taatcccagc	actttgggag	gccaaggcgg	gtggatcacc
126541	agagattagg	aggtcgaaac	cagcctgacc	aacatagtga	aacctgtct	ctactaaaaa
126601	tataaaaatt	agccgggctg	ggttgtgggc	acctgtaatc	ccagtactt	gggaggctga
126661	ggcaagagaa	tcgcttaaac	ctgggagggg	gaggttgtag	tgagccgaga	ttgcgccatt
126721	gcactccagt	ctgggtgata	aaagcaaaac	cctgtttaaa	aaaaaaaaaa	aaaaaaattc
126781	aattaaccac	ttgacagtgt	tttactctcc	cagttctcca	aatgtttatg	tttaacctag
126841	ggcacaattc	aaagtgggtg	gtgttgtgga	agctgagtgt	ttacatgtgc	tttcttattt
126901	ctgggtaatt	ataaggagtc	aatgtgcaca	ttttctttag	agcaggacac	ataactgtga
126961	agacagctct	atcatcttaa	aaatatttgc	attttaaata	ttttattggc	ccaaattttg
127021	agaaatggaa	cacacagata	aaagaaaaatg	tattgaatat	tctgacagac	aaagaagatt
127081	cagggaatct	caaatacttt	taagccagct	tgtgatctca	ttccagattt	ctaggtagct
127141	gcacttgagt	ttccaaattt	cacctgctaa	atgtacaatt	ttgggtaaat	atagggaaca
127201	ctgtccagtc	ttcaaaagca	gtagaagcaa	cttcgttgag	gagttagcat	aaaaagaatc
127261	tgttacaaaa	agtgggtgta	caaatgcaaa	tttttgatgg	agaataaaaa	ttcacccaag
127321	atctgggttt	tagcttggtt	ttcacacagg	gtactaggca	ttcacagacc	agcctcattt
127381	ttcattcctt	tgacataaac	tagccccacc	agtttggtt	tgtagagaga	cttctatctt
127441	cctaatactc	atttattgac	ttccatcatc	agagttctca	cggaaaaaac	tttcaccacc
127501	ataaatcaac	ttggatgtta	ttgatacttg	gcctggagtt	acacaaacac	aatgagatcg
127561	tggaagagag	ggttaaatgg	attattctgg	acatctttca	tgaaaattga	ggctcctcac
127621	atttctctcc	tgtgttttct	ttttctgagt	ggcttcttaa	tttcagtatc	attttcttta
127681	tcctttctgg	ttccttggtt	aaaaaaagaa	aggaatgtgt	ttcctggaaa	ctgtctttgt
127741	caactaacct	ttgcatttta	agtatactt	ctgttgtctt	gattttctaa	gatcacgaag
127801	gtctagcttt	cctaaaactt	gtttgagttc	atgaattggt	attttgaacc	tcactgaaat
127861	gtttaaaatt	atttccattg	agaaaaaat	ttcattctac	caatacaact	atttttatct
127921	gtaataactca	aggagttttg	ctgagtgaag	aatgaagagt	aattcctaata	ataaaattaa
127981	taggcattgta	agctttcata	atagtacgaa	tattctcatt	tttcctatgg	gtaggtcttt
128041	gctcatcaag	atcccaatgg	ctctagtaag	agaagaaatc	caggcacctg	aagcagtaca
128101	gatggttagca	agggttgtga	ctaggagctt	ggagtctaag	agagagcaac	tctggcttga
128161	atcttttagct	acaataactg	tatagacatg	aaataaagtt	ccttaacctct	ctgattttca
128221	gtgttttatag	gtgactaaag	taggtatgga	aaagtgggtt	tcagataatg	gttctgaagg
128281	acagaataat	cattttttcca	aaaataatag	gagcagatat	ataagagaat	attatttgaa
128341	ttttttgttt	aaatctagta	agtgggttgg	aagggaagaa	attgaagaga	gagtgtctta
128401	gaccaggggg	gtccaatctt	ttggcttcct	tgagccacat	aggaagagga	agaattgttt
128461	tgggccacac	ataaaacaca	ctaactactaa	cgatagctga	ggagctaaaa	aaaattgcaa
128521	aaaaactcaa	tgttttaaga	aagtctatga	atttgtgttg	ggccacattc	aaagccatcc
128581	tggaccacat	gctgcccattg	ggccatgggt	tgaacaagtt	tgctctagac	agaaggcgtg
128641	gcatgaagat	attctcagag	ccagaagatg	gggagaacta	gagaagatga	actgggcagt
128701	aggaggagat	gaagaaagca	aaagatgact	aagacagtc	tctctgcca	caaattcata
128761	atattaataa	tggatctttt	ttactagaat	ttgatatcac	aggtcacttg	atttcttaat
128821	tggggatttc	ttttatgagc	catatctctc	actttgctgt	tccttctcta	tttatttgaa
128881	gagacaagtc	caacacataa	aagagaataa	aggtctacac	catttagcct	gatgttaagt
128941	gcaaaaaggat	tgcagagtca	gagatgaata	tgggatggag	tatggctgca	ggctccaagg
129001	atgaaatcag	ggtttgaaga	agtttccgaa	atgccagcag	caagtggagg	tcttgttgtt
129061	agctttgaca	ggttgtagac	agctttgtac	tatacctgtc	caatgccaag	cgatatgtgc
129121	ctgatatgta	ataatttctg	aatttgttaa	gggaatgaaa	ataagaatct	acctgctatg
129181	ggctgaactg	tgtcctcttc	ctcctcaaat	tcatttgttg	aagggttaac	tcccagcacc
129241	tcagaatgcc	actacatttg	agataggggtg	tttaaagaag	taattaaggt	aaaatggggg
129301	tatcagggtg	tggcttaacc	cagtgactag	tgtcctcata	ataagaggag	tttatgacac
129361	agacagaaag	acaccagaca	tgtgcatgca	cagagggttg	cccctgtgaa	gatagaggga
129421	gttgggtggc	ttctacaagc	taagggaagga	gacttcagaa	aaataaccct	gctggcatct
129481	tgtatcctgg	cttctatgct	ctagaattgt	aagaaagtac	actctgttgt	tgaagacacc
129541	cagtctgtaa	ttatttgtta	cggcagccct	aataaactca	cacacgatcc	atttggtttt
129601	actttccctt	caaataacaa	tgatgtctta	gttatatgtg	ttgttttagtc	ccatggtagt
129661	aactcatttt	ttaccagtc	taaagtactt	atttagggag	agaggagaaa	ataaatttgg
129721	agaaatgcag	aacatacatg	aatggggaac	agaaacaaaa	gtatacatga	aaaagtctac

FIGURE 1 (continued)



129781 agttgcatg gtgcaaggct accctggtta agttgagggga acccttccct tatttcccaa  
 129841 tgactcagag actgggtcact gcttgacaaa gtttctccct agagaagtca ctagtattag  
 129901 aagaggacac agaaaccagg gccaccctct taagtcatg tttcagagat aagccagtgt  
 129961 gggggaagat gtgatgaggc atagaagctg gaatttgagc cttgggttagg taactgagga  
 130021 gaccatagga attgcttggg tggggaaaaa ttaattacgt gattttgtct cacactttga  
 130081 tacatgcaaa ataagtttag aacaaacatc aaggaagaaa gaggagctaa taatgattga  
 130141 gtcatacctt ttaaggaata tgtgtcaaa atagccttga aagagaaaag aagtggagaa  
 130201 gatactccag aaactcaaaa tggaaatgtca ggtgtgggca aaaagagttt gagataacag  
 130261 ggaaaggggt tagagcagag caggagggaa gaacacagtg ggaccgggtgc tattccaggt  
 130321 gctaataaat gccctggaac tgctcttact gatctaattg ggatccaggc aggaaagaca  
 130381 cagtccttct tctccaaaat ctcccagccc agtgatgagc actaagtaaa ttgtgacgac  
 130441 tctacagact tgcaagtgtc aaggtgggaa cccatgggtg gcactgggag cacagaggag  
 130501 ggacctcttg cctgggtgcta agggaaagggt gtcagaggag acctccccag gaaaggtgac  
 130561 aactaagcag agtctgatt gagagtgggt gctaggccag caaagagatg tgtggaaatg  
 130621 catttcaggc ctgcagaaag tttgtgagat gggagagcat gactcattcg tcaaacaca  
 130681 ggaaggtatt atggctggag tagaattttt ctgaaatgag gtcttttctc agtggtagg  
 130741 aagaagggca aaggagaga tgtatagtgt ctctctcaga acttaaaaaat tcttttttgt  
 130801 taatgcaatt aatatgtgtg taccatgaat cacctggatg atttgcatat attcaggagt  
 130861 gattatagta aagaagaatt taggacaaca ccaaatccag caatatattg ttaaaatgtt  
 130921 gttttgaatt aatgcataat tgtacatgca ggtataacct attttattgt gctctcctt  
 130981 attgcccttc gcagatatgt tttttttat aagttgaagg tttgtagcaa ccttgcatg  
 131041 agcaagtcta ttggcaccat ttttccaaca gaagtgtca cttcttatct ctgtgtcaca  
 131101 ttttggtaat tcttcagca tttcaaactt tataattatt attattctgt tatggtgacc  
 131161 tgtgatcagt gatctttgat gttactatta taattgctat ggtttaaagg tccctgtagc  
 131221 ccatggatca aggagtaatt ttgactttca agccttataa ttaagaaac tcaagttagc  
 131281 acatgaatta taagaaagca aaatgccaga ttgttgatat ggagaaagt ttagtagtct  
 131341 gggtagaaga acaaacagg cacagcattt ccttaagcca aaatctaact cagagcaagg  
 131401 ccctaactat tcgattctat gaaggctgag agaggtgagg aagctgcaga agacaagttt  
 131461 gacactagca gaggttggtt catgagggtt aaggaaagaa gctatctcca taacataaaa  
 131521 gtgcaagggt aagcagcaag cgtaaatgta gaagctacag caaattatcc agagatctac  
 131581 ttaagatcat tggggaagg gttgcacta cttcactgta gataaaacag  
 131641 ctttctattg gaagaagatg ctatctagga ctttcatact agagagaagt caatgcctgg  
 131701 cttcaaagct tcaaaggaca ggttgacact cttgtcagag acaaatgcag ctggttaact  
 131761 tatgttgaa ccaatgccta tttaccattc caaaaatcct agggccttta agaattatgc  
 131821 taaaagctgc tcttctgtg ccacataaat ggaacaacaa agcctggatg acagtacatc  
 131881 tatttacagc attatttact gaatttttta agctcacctg ttagacctat tttttttaa  
 131941 tggctttcaa aatactacta ctcatgaca atgtacctg ttaccaaga gttctgatga  
 132001 ggaatgtaaa agagattaat gttttcctac ctgctaacac aacatccatt ctgtagccca  
 132061 tggatcaagg agtaattttg actttcaagc cttataattt aagaaactca ttttataatg  
 132121 ccatagcttc catagacagc gattcctctg atggatctgg gcaaagtga tggaaagcct  
 132181 tctggaaagg attaaccatt ctatagtcag aataatccca tttactact ttttctttt  
 132241 ttgcatatgc ttttgaggtc tgaaaaatcc ttgcccagac aaatatcaca aaatgtttt  
 132301 cctatgtttt cttctagtag atttatcttt ttaggtctta catttaagta ttaattccat  
 132361 tttgagttaa tatttgtaat gatgagagat agaggtctag ttttactttt ctgtatgtg  
 132421 atatccagtt ttctggcac catttggtga agagattgtc ctttctcaa tatgtgttct  
 132481 tggcaccttt gtcaaaaatt agttggctgt aaatgtgtg atttatttct gtatcctcta  
 132541 tctgttcca ttggtctatg tgtctatttt tatgccagta ccatgctgtt ttggttacta  
 132601 tagacttgta gtacattttg aagtcaggta gtgtgatgcc tccagcttta ttcttttgc  
 132661 tcaaaattgc tttggctatt tggagccttt tctggtttca tatgaatttt aggatcaact  
 132721 ttttctattc ctgtgaaata taattttgtg aaaaatatca ttggtatttt gatagggtt  
 132781 gtattgaatc tatagatgac tttgagtagt atggacattt taacaatatt aattcttcca  
 132841 atccacgaac atgagaccgc tttccattta tttgtgtcct cttcaattcc tatcatcaat  
 132901 attttacagg ttttattgta aagagttttc acttccctgg ttaaatttat tctgggtat  
 132961 cttaattttt gtagctagca taaatgagat tgcttctttt ctttcttttt tagggagttc  
 133021 tttatagttt tatagaaatg ctactgattt ttgcatgtt aattttgcat cctgaaactt  
 133081 aatgaatta gtttatcagt tctaaaagtt ttttgatag agtctttagg ttttctata  
 133141 tgcaagttca tatcatttgc agacagacac agtttgactt cctctttttc aatttgaatg

FIGURE 1 (continued)

133201	acctttcttt	ctcttgcccta	attgtacttg	ccaggacttc	cattactggt	tttaatgaaa
133261	gtgccgaaa	tgggcatctt	tgtcggtttc	cagatcttag	agaagagctt	taaacttttc
133321	ctccttttagc	atgatttaac	tgtggggttg	tcatatatgg	cctttattgt	gttgagggtct
133381	gttattttcta	tttgttgaga	gtttttatta	tgatgagatg	ttgaatttca	tcaaagtctt
133441	tttctgcatc	aattgaaatg	attatatggt	ttttgtcctt	gattctataa	tgtttattga
133501	tttaggtatg	ctgaaccatc	ccttgagtcca	tgaaataaat	ctcacataat	catgataagt
133561	gatcttttta	atgtgctggt	gaattcagct	tgctagtatt	ttgttaactt	ttttttgcat
133621	ccatgttcat	cagggagatt	ggcctgtagt	ttcttttttt	ggttatgttc	ttctctggtg
133681	ttagtatctg	ggtaatgctg	gctttataaa	attaatttgg	aagaattacc	tccttttcaa
133741	ttttttggag	taatttgaaa	agaattgatg	ttcatttaaa	aaaaatgttt	ggtataatac
133801	agcagtgaag	ccacttggtc	cggggctttt	ctttgatggg	agatgtttta	ttattgattt
133861	aatcttggtt	tttattattg	ttctgctctg	ttttctgttt	cttcataaatt	caattttggt
133921	agcatatgta	cctagaaaact	taaccatttc	ttctagattt	agcttttcat	aaaagtcact
133981	tatgatcctt	tgtattttcta	ggatcagttc	taatgtctct	tttttcaactg	ctgactttat
134041	gtatttggtc	tttatcttta	tttcatagtt	agtctggcta	aagattggtt	gattttgttt
134101	atcttttcag	aagaacaatt	attggttatg	ttgatctttt	taattttttt	ctctattttg
134161	tttattgttg	ctctgatcct	tattatttat	tcccttctac	caattttggc	tttggtttgt
134221	tcttggtttt	ctagttttctt	gaggtacaat	gttaggtttt	tatctgagat	ttttctattt
134281	tgttcatata	gatgttaatt	gctatatact	tccctcttag	aattgttttt	gctgtatccc
134341	atagggttttg	gtatatgtta	tttccatttt	catttgattt	aaattatttt	taaatttcct
134401	ttttaatttc	tttattgacc	cattgggtctt	tctggagcat	gtttaatttc	tatatatttg
134461	tatgttttcc	aaaatttctc	ctgttactga	tttctaattt	tcttccactg	tggtctgaaa
134521	agttacttga	cataattttg	atttaaaaaat	tttttttgac	acttggtctg	tggcctaaca
134581	tatgatctat	cctgagaag	tttcatgtgc	tgttgcgaag	aatgtgtatt	ctgtagcgg
134641	tgggtggaat	gttccgtaat	gactgttagg	tacatttggg	ttagagtgc	gtttaaatat
134701	gatgtttctt	tgttgatttt	ctgtctggat	gatctgtcca	ttgctgaaag	caggggtgtg
134761	aagtctctcta	ctatcattgt	attgaggtct	ctccctccct	ttagactctaa	taatatttgc
134821	tttacgcatt	tgggtgctca	actgctagtt	ttacatatat	ttacaattgt	catatgact
134881	actcctgctc	tcttttgggt	tctctttgca	tggaaatga	gcttccatcc	tttcaacttc
134941	agtttatgta	tgttcttaca	ggttaagtaa	gtctctcaca	ggcaacacat	acttgttttt
135001	tttttaaact	ctatttagcc	actttatata	ctttaattat	gaaatttaat	ccatttacat
135061	tcaagattat	tattgatatg	taaagactta	ctcctgctat	tttattaatt	gttttccgg
135121	tgttttggtt	atcttctgtc	tctttcttcc	tctcttatgg	ctacatttat	gtttgggtga
135181	ttttctgtag	taataaaact	tgatttcttt	ctctttctca	tttgtgtatc	tgcagtaata
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135301	tttagctgat	aataataaac	tttggttgca	tacaaatatt	ctagactttt	actatccctt
135361	ctaaaatttt	taattttgct	gcttaattta	catcttttta	tattgtgtgt	tcctaacaa
135421	cttattgtag	ctagacttat	catcgaccat	gttgactttt	taacttcaca	gtagagatat
135481	gaaagattat	gtaccaacat	tatggtaatg	aagtattttg	aatgtgataa	taaatttacc
135541	tctaccagtg	agattagact	ttcatatggt	ttatgatagt	aattattgtc	cttttgcttc
135601	caattggaat	acttccctaa	acattttttg	taaggctggg	ctagcgggtg	tgaattccct
135661	cagcttttgc	ttgtctgaga	aaaaatgtat	ttctccttca	tttctgaaga	tagctttcct
135721	gagcataata	ttatacatga	catttgtaatg	acactttgaa	tgtattatct	cattttcttc
135781	tggcttgtaa	ggtttctttt	gagaaatctg	ctaatagtct	aatagaaatt	cttgtgtatg
135841	tgacttgata	tttttctcaa	aaagcccca	aatccaaaaa	ctttttttta	agaatgtcat
135901	aaatgactaa	gctagaaaga	gagaagaagg	tgaagttgga	gaaatgcagg	acaatacata
135961	gttgagagac	agaaacaaaa	gtctacataa	aaaatacagt	tgagatgggt	taaggctacc
136021	ataatgtaag	gttaaggga	tcctctcttt	ctttttcagt	gactcagaga	ctggctactg
136081	cttgataaaa	ttttttttct	agataattca	ctagtattag	aagagaacac	agaaaccagg
136141	gctacctttt	taactcattg	tttcagatat	aggggtgagga	gtgggtgtgat	gaggcagaga
136201	agctggaatt	tgagcttttg	ttaggaaaat	aaagagacca	taggaagagc	tggagtggag
136261	aaaaattaat	tatgcgactt	cttctcacac	ttacatacat	gcaaaataag	tttacataat
136321	aattattgag	tcatactctt	tttttttttt	tttttttttt	gagacagagt	ttctctcttg
136381	tcgcccaggc	tggagtgcaa	aggtgtgatc	ttggtttact	gcaacctgca	cctccttcat
136441	tcaagcaatt	ctcctacctc	agcctccgga	gtagctggga	ttgcaggcat	gcgccactat
136501	gccagctaa	tttttttttt	ttttgtattt	ttagttgaga	tgggggttca	ccatgttggc
136561	caagctggcc	ttgaactcct	gacctccggt	gatccaccgc	cctcggcctc	ccaaaatgct

FIGURE 1 (continued)

136621	aggattatag	gcatgggcca	ctgcgcccag	ctgagtcata	ctctttaagg	aatatgtgtg
136681	tcaaagatag	ccttgaaaga	gaaaagaagt	ggagaagata	ctccaaaaac	tcaaaatgga
136741	atgtcagggtg	tggacagaaa	gagtttgga	taacagggaa	agtgtttaga	gcagagcagg
136801	agggagaac	acatgggact	ggtgctattc	caggtgttaa	tcaatgtcct	ggaactgctg
136861	tcactgatct	aatggggatc	taggcaggaa	agacacagtc	cctcttctcc	aaaatctccc
136921	agcccagtga	tgagcactaa	gtaaattgtg	acgactctac	agacttgacg	gtgctaagggt
136981	gggaacccat	ggtgtgcact	gggagcacag	aggagggacc	tcttgcccgg	tgctaagggga
137041	aaggggggtca	gaggaggcct	ccccaggaaa	ggtgacatcc	aatccaagtc	ctgatagaga
137101	gtggggggcta	ggccagcaaa	gagatgtgtg	gaaatgcatt	tcaggcccgt	ggaaagtttg
137161	tgagatggga	gagcatgact	cattcatgga	accgcaggta	ggtattatgg	ctaggatagg
137221	ataatttttc	tgaaatgtgg	tcttttctca	gtgataggga	ggaagggcaa	agggagagat
137281	gcacagtgtc	tctctcagaa	cttaaaaaatt	ttaataaggc	aatgaatgta	tttgtatata
137341	tactctaaat	cattttggatg	atttacatat	attcaagagc	tataacagta	aagaaaattt
137401	aagacaatac	caaattcagc	aatttttttt	tcctttttaa	aggatatatt	taaacactga
137461	tgagagatgc	actagaattg	taggcaggac	tttttttttt	tttttttttt	ttcagttatg
137521	gtttacctgc	aaagtctcta	gtcctaacag	tagttcagga	atccacagat	gtctgaagtg
137581	tgagctagca	ccccaattca	tctgaccata	ggaaaggctt	tagtggactc	atacaattca
137641	agtgaagatc	tggcactgtc	tttgagtttc	agtaagtgcc	tttcttttca	gagatactgg
137701	agaattagaa	ctgtgtagaa	agtcttccag	cgtacaatat	agaagcacia	atagagccat
137761	tgaccttaat	gggacatttg	aggaggtcat	acaataaaac	agcagtctct	gttaagaaat
137821	aacactaatg	ggcctggggg	tgctaaatag	agggtggatt	atcttcttac	ccatatattg
137881	tacttggctt	ccacgtcatc	tgggaagaaat	ttcatctggt	atcttcactt	ggtcttcatt
137941	cttattttta	aaaaccttct	cttcagagca	gagcagggtat	ctggtgaatt	atcactgtga
138001	ctaaacaaat	tgctcctttg	ccagtgtatt	ttaaataatgt	acactaccca	ccatggaatt
138061	tactaggcca	gctaaaaact	gagtaggaga	tataactaat	tctaattggt	tttattttga
138121	tgtagataag	tactacaatt	tagaaaagca	taaggcaatt	agcaacttaa	gaccttgcta
138181	ataaaatgct	atttcacttt	ctggcagaga	gtgcaataga	cagagatcaa	ttctaagagt
138241	aaattggttg	aatattagt	cagagccctg	tgatgccatc	aaaacatatt	aggcatattt
138301	actatatcat	ggaaagtcct	cagtaatagc	acatacctcc	ctgatggaaa	aagtggccat
138361	ttatttttaa	aacttttatt	tatctcagct	caaattttta	gatattgttt	tcccccaatt
138421	agaatatgag	aataggggact	gtattgttta	caactaactg	tattgcccag	atctagaaca
138481	ctacctgggtc	tgtaataggc	tctccataaa	tattttcaga	ataaattaga	atcatctaca
138541	cacctacttt	gacatacact	gtctgggtgct	ttcagatctg	tctcactcaa	ttttgtcag
138601	agctagtcag	acgtcccatt	ggtccaatgt	ggaagctgag	atcagagcta	actgtccgag
138661	gacaaatagc	tagcaagtgt	cagatgtggg	attcagccca	agccttctaa	cttcactctc
138721	aagaatgttt	tcttgtctac	cttggattta	aggaacaatt	ctggttcttt	ctgtagagga
138781	ctgggtactg	gctgctagaa	agctttttga	attatttctt	ccttctcctt	ccttccttcc
138841	ttccttccct	ccttccttgc	tccttccctc	cctccctccc	tccctccctc	ccttccttcc
138901	ttccttcttt	tcccccaaag	acccctgata	tgaactagat	aggttactag	tggatttcct
138961	tccagatttc	aatgtttact	gatataccaa	gacattatgc	aacctcaaaa	cacttctaac
139021	ccaagagcac	ttctaattgt	acccacgggg	gtccctcagg	actctggctc	ataaatgggc
139081	tgtagggcct	cagagccctc	agttggccgc	ttggggctct	tccctcatag	acatgcttcc
139141	ttgtgtcaca	tggacagaca	gaaagtactg	tcttgatgag	tcatttttgg	ctctgaagct
139201	acttgtcact	caggaggcag	gagagggatg	tgatagaatc	tttgccatgaa	ttcttgaagg
139261	gagaggcttg	gcctggttac	acatatttct	tttgttacaa	aatcctcatt	aaaatagaca
139321	ccttttactt	gacccagcag	atctgtagtt	gtttattttc	tctctattgt	aaccaaattt
139381	taatttttcc	ccaacctttg	gacttgacca	tgaagatgat	aaccattttt	agatatttat
139441	ataatatttg	taatagattt	catgtaattg	ttatattata	tatatattat	aaatgtaacg
139501	tttctcactt	tcttcttaac	aagatctggg	gcaaacaatt	tcagggttaa	gaaatgggat
139561	ttttaaaagt	tgtaggggac	attttatggg	tagaggcctt	gcacccgtgt	ctcccttctt
139621	aattagctgg	ctagattgca	gactcactct	ttgagcgaga	ggacttggtt	tgtgtgtttg
139681	ggggcacctg	gtgtgtgtgt	gtgtgtgtgt	gtgtggatgc	atgcatgccc	atttgtattt
139741	gtacataagt	taaaaaataa	gaatcgtgcc	gggcatgggtg	gctcacgcct	gtaatcccag
139801	cactttggga	ggccaagggtg	ggtggatcac	aaggtcagga	gatcgagacc	atcctggctg
139861	acatggtgaa	accctgtctc	tactaaaaat	acaaaatatc	agctgggcgt	ggtgggtgggt
139921	gcctgtagtc	ccagctactc	gggaggctga	ggcaggagaa	tggcgtgagc	ccgggaggga
139981	gaggttgacg	tgagccgagg	tcgcgccact	gcactccagc	ctgggtgaca	gagcaagact

FIGURE 1 (continued)

140041	ccatctcaaa	aaaaaaaaaa	aaaaaaaaaa	aaagaatcct	aacacacaag	gagttttatt
140101	atttacccaa	agatgttggt	agtttcaggg	aaattttctag	gaaggggact	tccatccaga
140161	tggcattttc	cagtagcaga	aagagaaagg	aacgatgtga	ctgttagtgc	aagcactgtg
140221	ctgggaactc	cacgtatgct	atgaattcaa	tctgtactta	aaaataagtt	ttactgagta
140281	ccttctaaaa	gtaagttact	gtgcaaaaagc	tgggaaaaca	aagatgaaaa	aagtacattc
140341	ctttacgcca	aggaattttac	aatctgaaag	gtgaggcagg	tgaacaactg	gtgattttta
140401	ttgggtgtaa	taagtgttat	gcaagacgtt	tgtaccgagt	tatggtgcag	gaggacttag
140461	gagaggcacc	cttattttgt	cttagccaga	caaggcttca	taaatatgta	cgttggaggg
140521	gtttagggaa	gacttcccca	gggaggagac	attcaccttg	agtcttcaaa	cgccagtcca
140581	gaagcatagg	gacagcttca	ctacaggcag	agggaaaaac	atgccaaagt	cccagaggca
140641	gagctggaca	agttcaaggc	tcctgctcaa	acaccaatgc	ctgggaggca	gggccatttt
140701	gaagagttca	gattcatttt	gatggctgtg	gttaatgggt	caaggattta	aagtggggga
140761	gaaatagaat	tagttttgca	ttgataaata	taaatctgtt	aacattttga	atatagacat
140821	atgattattt	ttgtttgctt	tttttgga	tttgcttctt	cagaatgata	agaaaggagg
140881	aacagggact	ttgctgtaaa	cagacattca	caggatcacc	tgattattat	gctggttgtt
140941	ggtctaattc	tcttcccatg	aagcattttt	ttggaaaatc	tagtgtgtta	tgaaattaac
141001	tgacttaagt	taactgtcct	gcaatatgat	gaatggatta	aggagaaaaat	gacactagag
141061	gctggaaacc	aagcatgagg	ttgtttgagc	aatccaatga	gtggaaatgc	tactaggaga
141121	tagaattgat	aagattggga	aggaagggtt	gaagagacac	aagcgtcaag	gatgtcctga
141181	gaatttctgg	cttgggcaac	taggaggaca	gtgataaaac	aatagtgaac	atttattgag
141241	caccaactac	gcaccaggta	ctgttctatg	tcgcctcaca	tatctgagct	catttcatac
141301	ttaacaataa	tgctgatgtg	aagtactact	cttttcacat	tttgcacatg	aggaaatgga
141361	aacagaaagg	ataagtagct	tgcccaaggt	tacacaatta	gtaagaaata	gatttgggag
141421	tcgtcagttc	ataaaggctc	tgcagacgaa	aacaatggat	agaattactc	aggaggatc
141481	tgttggatga	ggaaagggcc	aagggcgaat	ctctgggaaa	ttccagtgtt	tcaggaatcg
141541	gcagaggaag	agtcgtatat	tacaatatgt	caggagtcag	cctgtgaaag	aggactgagt
141601	tggaccagta	caagagggtg	gagaccctgg	aagacaatgg	cgtgatagac	atcaagggcc
141661	tccagggcgg	gactaccgcc	tgcttattct	ggataaggaa	atggaacctg	gggaatggta
141721	gacctgagat	ttgctggaag	ccctgagatt	tgctggaagc	cttggttctt	tcccatggct
141781	ccagaacccc	tttgggatta	aggcatcatt	tgtaggacaa	gcctgtgggt	tttatttttg
141841	gactcgataa	tctggattga	tgaagaatgc	aggagtggga	cttggttatg	aattaaagat
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141961	tactggaaca	tttattgagt	aagaaaatta	cttgctttga	attatagctc	ttcttttctc
142021	tttagtaaga	attagctaaa	aagtatctag	gaagagaagc	agaaaacccc	aattatcccc
142081	caaaaattca	ttctcatagt	gaaccttcag	aaagtctatt	ggaaaccctt	attattttaca
142141	ataactgtta	agataagctt	attgaatatt	cttcccagat	taaaattcac	caaacctcat
142201	cagttctcag	agatctctgc	cttctcraag	ccactagata	gccagtaatt	tcctttcctt
142261	ttattgaact	gtatcagctt	cagaagacgc	gatataatcc	tattggtttc	tgctctcaca
142321	ataacactgc	tgggacccat	cctgagggtc	cttgagggtc	tttaacctct	aatgtctggc
142381	cactctttct	tcttagtctg	agccatatat	atcattctca	tatatgccac	acataccata
142441	catgtcgcac	tcattcaaat	cctacattta	aaaatctctt	gcaaaagcca	gcttggggcca
142501	ggcatggtgg	ctcataacctg	taatcccagc	actttcggag	gccgaggcgg	gcagatcact
142561	tgaggtcagg	agttcgagac	ctgaccagcc	tggtcaacat	ggtgaaaccc	cgtctgaact
142621	aaaaatacaa	aaatttagctg	ggcgtggtgg	tgcgcacctg	taattccagc	tacttgggag
142681	gctgagtcac	gagaattgct	tgaaccctgg	aggcggaggc	tgacgtgagc	cgagatcatg
142741	ccactgcact	ccagcctggg	tgacagagcg	agattccgta	aaaaaaacaa	aacaaacaaa
142801	caaaaaaagc	ctatctcaaa	tacttgagtc	ctttatgaag	tttagcactt	ggcttatttt
142861	ttgaaagaat	actaccttct	ttcctgaatt	tatattttca	tctcccctcc	tccaactttc
142921	tctggcagtg	ctttttgacg	ctggactccc	aatttagtca	tcataaaatc	actgtagtca
142981	taaaacctgc	ttggatagcc	ctgagcataa	cttgtcaatt	tttattttatt	tctttgttta
143041	cttgtttggc	agtctcttcc	actaccttaa	agatctaagg	agataggaat	tgtgtatttt
143101	tttattttact	agtgtaaatc	ctattttgatt	gtaagtccag	tgttcttttt	cccacaatat
143161	acaggtagca	gaggcagaga	ggggagggtat	gtccctgaca	caaggaccct	ggaaaagaga
143221	tgggaaaatt	aggaaattta	cccactccta	aggctaacca	gaaaactcca	cgctagatag
143281	ctggtgtgag	ggctgggtct	gtaggggaaga	tgagctggga	gccagaagat	gaagtgttga
143341	gatggatgat	aaaggaaaagt	ctcagccaag	acaggagctg	gagctagctc	tgaaacacat
143401	gggaagctgg	caggatgcgg	tcagagggtca	gagagcgatc	agggttggtt	taggataaat

FIGURE 1 (continued)

143461	tttgctaagt	cagggtgtct	gaggacagat	ctttttttat	taaccatttt	gcatgctctt
143521	gtcccgaag	gacctgtgcc	tccttgca	ttcattttgc	agaaagatgc	cactaggaaa
143581	atttgaactg	aataggaaaa	aaactatctg	gtgaaatgaa	aatgatcaga	accttaaatg
143641	aaactgtggc	ttatcattcc	tttcaacagt	ccaaaaagga	aatccagca	tgaaggcaaa
143701	cagatactag	agattaccaa	aagtagatta	caaaatgtgc	agtaaaaaatt	aagtggaaac
143761	cttcagagat	tgttgaaagg	gaaagtgttc	aagaagaatg	ggaagctaaa	aattgaaacc
143821	aaaagtataa	ctataagcaa	tcaaatcaaa	agcaattttg	atgaagaaga	aaaaagataa
143881	ctagagatct	gtataactac	agggagaagt	tttattagag	ttgcttttta	aaaaaaaata
143941	cataaataat	gtaaggaggg	gaatataatc	aagttcagat	gtaaacaatg	ctttaattta
144001	tctgtgaaaa	actagctctg	tgacaaaaata	agagaaagga	aaagctagtt	tctagagtga
144061	gtggaagata	ttgcaaaaaat	tcttaagctg	tgggaaatgg	gtaaacaata	aaaggatctt
144121	tcaaagctat	attctcaatg	aagacgagca	gcaggagcct	gcttttttcc	agtattgatg
144181	taacttttta	ataatataaa	aacataaggc	ctggaaagaa	aatttcttcc	tgtatattct
144241	ataataactc	agacttatta	gtagcatatt	cttttgtaa	taactttata	ccccacaata
144301	agctttttata	tgcactattt	tatttaataa	tatttaacta	ctttctcta	acacattttc
144361	ataaattaga	aatcaacag	tcttccctct	ctaccttctt	aagacacttt	agtgtgctgc
144421	tttatctcta	cacaatcttc	agtgccttgc	cttatatcta	caactcaaaa	gaaaatttct
144481	gtaataaatg	tagtccctgg	ctgggtgcag	tgattcatgc	ctgtaatccc	agcatttttg
144541	gagcctgaga	cggacggatc	gcctgaggtc	aggagtggga	gaccagcctg	gccaacatga
144601	caaaaccctg	tctccactga	aagtacaaat	tagccagaca	tgggtgctctg	cgctgtaat
144661	cccagctact	cgggaggcta	atgcaggaga	atcacttgaa	tctgggaggc	agaggttgca
144721	gtgagccaag	aacatgccac	tgcactccag	cctgggcaac	agagcaagac	tccatctcaa
144781	aaaacaaaca	aacaaacaaa	caaaaccaa	tgtagtccct	aatgaagaaa	caatgatagg
144841	aaattaaagt	aaaaatgcct	tttttctcag	atcaattttt	tctttttaag	atacttgcaa
144901	attacatttt	ctccactgcc	tacttcatag	ctcaagtctg	gcaatttcag	ctggaattag
144961	gaagagctcg	tgtgctcagc	ctcaaaacca	tgtctacatt	ccgactgcct	gattcttccct
145021	cttacagacc	tctctgtaca	acgtctgttg	tgtttcagct	ttttgactct	tcaaattagc
145081	atctcttcca	taaattggat	tttgatattg	tttcacccca	gtcaacattc	agtaataaga
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145441	gttgatctcc	aaggagctgt	ttaatgagta	gacattagtt	tctgttgagt	tggatgatct
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145561	tttgaggttc	tggctaaatt	aaagattgtc	atttttctta	gttatgttct	atttttctga
145621	tatgttatat	ttgctccac	ctctacatta	gtggatgggtg	gcttttccaa	agggtgttgc
145681	tgttttcaga	ttctgtgttc	cctagaaggg	atcgaagccc	ttgaaacatc	actgagaatt
145741	tattacttat	tgattatttc	tttcaatttt	tatctagggt	tttgaattga	tatcatatca
145801	ctttcaatgt	aaagaaataa	agtgaagtata	gattagatta	aaaaaaatga	aaagcataat
145861	tagaattagg	atgtcctaga	tgttttctgg	tcactttttg	agagcagaaa	ataatcaata
145921	tgtagatcta	cacatatagg	aaaaaatgct	aaccagtcaa	agtggagagg	tgggcatttg
145981	cttgagtttc	tatgcatggt	agaaacagtt	gctctttgct	ccattttgtt	ggatccaagt
146041	cataacaaag	tggtagaatg	ttccttgaaa	ggggaggagt	atgggagaga	attgggaaaa
146101	atgaagccac	tggtagagag	acctggatcat	tagtccaaaa	agatagtttc	ttccagataa
146161	tgtacaaaaa	tagaatggat	gtgggtggag	aaagaacagc	cagaaagaaa	caaggctgtg
146221	caaagtcttt	atctagaaaa	tgttagccct	ccctggctaa	tcttgaaact	gtttggaaaa
146281	aatcgtttaa	acaagctact	ttccagttca	tgagatcctt	tccactttgt	agcaagatta
146341	tgtgctttac	atacacatta	gcagctttga	gattgtctaa	atcatgcttc	attgcttttc
146401	tcacactcca	ggaagaaggg	agggtgagaa	tggggccagg	gctccaggcc	tgatcctttc
146461	tcctcttctt	cctcctcctt	cttctctctc	tctcttctct	tcttcttctt	taaaagtaag
146521	tcttcagtag	tgttccctt	aaagtcttgc	aataacctta	tcttgagcta	taagcacaca
146581	caaatgaagt	atattccttc	atttgatccc	atttttcttt	ttccacatt	tctctaaaaat
146641	aaaccaacat	aataaagtca	taatttggag	ttctggctaa	attaaagatt	gacacacaat
146701	gtcattactc	ttcattcttt	gcttttgcaa	gtcacgtgtg	agaaagaaac	atatttctat
146761	ggccttttga	ctgcccttga	taaaatctgt	acttagggaa	atagcaatat	caataaatgc
146821	taaataatat	taacacaatg	tatgcagggg	tttttaagct	tcacagaaaa	aaaaatttaa

FIGURE 1 (continued)

146881 gacatgaatt tccaggaaaa ttattcttgt aactatccca aatgggtttt ctttccatca  
 146941 aaagaacaaa tggaaaaaag tgcaaaagcc aaatcaaa aatccttag tgtgaaatat  
 147001 attttggagc atgtggaatt aaatttgcat tttcaaataa aaacaaatgc ccgtttaaaa  
 147061 agtcatctaa cttttgtcct acgaagacaa ccagtaaaat atactgtttc ccttttccca  
 147121 gcatactcat gtttgggaaa acatgattat ctgaagagaa atttactttt actaaattag  
 147181 agtttgaggg gggagtgtgg aaggaataat tacagattat ccttttattc aatctcttct  
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 147361 tttgaactca tacaatatat cctaatacaa ataaaaatct gaacctttta atggcgacac  
 147421 agtccacacc atgaatggtc aaaatcactg gagctaattg acaggaaggg gttcctcagg  
 147481 gaactgtggc aaatttttagc atcttccttt ccttttaggg actggacact catccttagg  
 147541 acttgagaat catatgtgaa aattatatag acttcccaca gtctactgac acattacaga  
 147601 gatactggaa atattaacca cacatgttgc ctacatactc tctttctcat catcataagc  
 147661 cacctgtgtt ctactgaca ctgcaaatcc agtaaccaa acatcctgtt aaaattctct  
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 148321 ccaggagggtc caggttgagc tgagccgtga ttgcaactca gcctgggtga cagagtgaaga  
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 148561 aaagaaagaa agagagaaaag aaagaaaagg aagaaaagaa gaaggaaaag aaggaaggaa  
 148621 ggaaggaagg aaggaagaaa gaaagaaaaga aagaaaagaa gaaagaaaaga aagaaagaaa  
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 148981 aacaaacaat aatatcctaa tataattatt aatcatgaat tattaataca taatcatatc  
 149041 attatttct cttagtctaa tttataggtt cagatgtgtg catgcatgtg tgtcagtggc  
 149101 actcagagag gagattttaa tagagagtgg gaaggagat aaaagataac tgctgcagca  
 149161 ctggagcaag aagccaaggg gaggtatccg ttaaaaactt tttgggatgt gaaccttttg  
 149221 tttttctaga ttctggatgc cggaaactct gttttttgag atgcatctgt aggagcattt  
 149281 ttgtgtggaa tttttgaaag ttatcttgaa agtaaaaggtc agagacagga attgaaacag  
 149341 ggcttaattc ttaaacaaga aggtataaga tattgcagtt gatggaactg tggtagcat  
 149401 gttccccaag ggtggtgagc atgtctgtgt gggcatagaa gatacatgta cgaacatttt  
 149461 tattttatatt tatttagatg gagtttctact cttgttgccc aggtggagt gcagtggcgc  
 149521 aatctcggct caccacaacc tctgcctccc gggttcaatg attctcctgc ctcagcctct  
 149581 tgagttagct ggattacagg catgcgccac catgcctggc taattttgaa ttttagtag  
 149641 acatgggatt tctccatgtt ggtcaggggt gtctcgaact cctgacctca ggtgatccac  
 149701 ttgcctcggc ctcgggatta caagtgtgag ccaccatgcc cagccaaaca tttttatatt  
 149761 taatagctta atgaatgtat aatgattaaa tgttttagcat gtattaaact atgatttcat  
 149821 gtagtttttt taaccatacc aacctagatt tcatatggat tatttaagca taccaaccat  
 149881 aatttcatgt acattattgc ttaagatagt aatgatataa aattttctta aaattattca  
 149941 tgtaaaagaa acaagtcagt taaaaggaaa atattaagta aaaatgtaca ggtggcaccc  
 150001 aaatatggta aaaattgtga agcagtttaa tgaataactg aactttggga aatgctagat  
 150061 tagagaattg gaaataactt tttaaataaa cacttgctat ctatgattat cctatggatg  
 150121 agtgcctaag aaatagagat gcatatgttg tatgttttta aaatgtacag gatgaattta  
 150181 cattgaccat catatttctt gtgctaaatc aaccattatt ttttgacta tagggagaag  
 150241 ctgtgtttct tcatagctcc tggagatgtg tgatgtgtca caggcctaata aactatatta

FIGURE 1 (continued)



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150301 cacattttttt cacaaaagtg ctacatagag tagaaatgta taatagttac caacccaaga
150361 ctaaatacagg cctagtgggtg tggatagctt cactttgcct atgataaaat acttcctcat
150421 tctttgtgtg attttcaagc aacttaacga ctggttagctt tgctgagcta aatgcaacat
150481 ctcataccaaa atttattggc ttggcaaagt tacaaaattt attacgcaaa agttgagaaa
150541 ggaaagctgg agaagtctaa aaacagtaca atttgctact gtgtagtatc tgtattgggg
150601 gctcagcatg ttttattttat agatatctat taatacacag atacagaaaag aaatacataa
150661 aaaatagttt tatcaaatac tttccagcat tcaagtgtag cctcaaaaagc aagaataggc
150721 caggagtggg ggctcacgcc tgtaatcaca gcaactgtggg aggccaaggt aagaggattg
150781 cttgaggcca ggatttcaag accagcctag gcaacatagt gagatcccta tctctacgaa
150841 aaaattttta aacttagctg ggcattgggtg cttgagcctg ttgtcccagc tactcaggag
150901 gctgaagtag gagtgtcact tgagcccagg aggttgaggc tgcaagtgcg tataactgca
150961 ccactgcact ccagccttgg agacagagtg agaccctgtc cccaaaaaaa ttaaaattga
151021 gaaaaaaaaa aaaggcaaga acagccacag caaactttct attggggaaa aaaaaaaatc
151081 ctctctctta catctctccc ttccttccct tccctttctg agagtgaactg tggccaaaaag
151141 gagcattttc cccctgcagt cctctgaggg gtgggggtggg gctatgaagc tatccttcat
151201 attcactcct ttgtccagct cttttcacct ctagtctctc tccccgcac tctgtctagc
151261 agtgccttaa gtggaggagg ggtgggggca tcaagcttgt aaaactggtt tgttgggggtt
151321 ctctctctcc cctcatttct tgattcttgg gaaaatgtct tgctgggagg ctgctgggca
151381 gtgccctagc tgccctctgt gggcttgaat ggggcttccc tctgccccta caggaggaaa
151441 agggagctgc tgccagaggg agaaatggag agatggacag agaaggcagg tgccaccctt
151501 cgccctgac acacaaagaa aaagacacgg aaattctctc tctctcttct cttctctat
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151861 tgggtgagtgc tgttggaggc gcttgggagc tttcattttg ccccacttct ccacctgaag
151921 gctgggcgtt gctggaacct gcaggggcag cctcagcaag gtgggggtggc gtggagtggg
151981 gtgggagaag ggactccagc tgaagtagaa cccaggctgg acctgagaat attggggagg
152041 gcatgggcgg tggtttccgg gtaggggcct tgagaacatg ttggtcctga ctgttgcag
152101 tgtttggtca aagttgccaa aaggttaaaa aaaaaaaagt agggggagtc cctgccaaga
152161 catatttccc aggccacctt tcttccgcgg gagtgttggg ggggaggcgc tgcttggaa
152221 ctgtgaatgt gacatcagct ctccctctct ctcccaaggt cggctttgga gagggaggtc
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152461 tgtgggtgtg ttctgcctc tctctctccc atctccaact ctgttcccc
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152701 gtgtgttgtg ccagtcttgg aaattcatcc gtgcttgaat tccaccctcc atccccagaa
152761 aaactggagt aaaacaaaaa gaggagatgg acaaagtgtg tatttgatgg catccccctg
152821 gaagagactc taaattttat ccataggtct tactgggcca ctgtgagcgc tttgggtggg
152881 aacaaacaaa aattctgggt gctcagttgt ctaacctgaa aaatgggact agcggaaaaa
152941 gccaatgtgt tccatgcacc ttttgctttc tttattaagg catgatgtca cctgtacagt
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153061 gaaaatgtaa acacattatt aaatgtgaag tattatctga ttccttggtc gaatggcatt
153121 tctttctcag caccaccttc cttgcattat cacttaacct tgtacaagaa cacctttttg
153181 ccctaaatga agacaccccc ccaaaaaaaa gactcccaga aaatatgtcc ctgcttgtgc
153241 ggggaataaa tagaatatcc tgagggtgcat tctccttcc tatgttaggc aacattcctt
153301 gaccctctc ggcccccaag ccagggttgcg tttttttctg ccatttagaa gggttttcct
153361 ttttgccta gtaaaacatc agccccctgta gctcttctac tccccctggt gttcttctcc
153421 cgccatgtct taagattggg ggcaccgacc aatcttaaga ttttaagttct gtgtgaaaaa
153481 cacctttgct tttcaatcag tttatcagcc tctcgcgag gggaagtgtg gacacacaaa
153541 agaacttctc ggggcttctc atcagtgata gggaaaagac tgggcatgtg cctaaacgag
153601 ctctgatgtt atttttaagc tccctttctt gccaatccct cacggatctt tctccgatag
153661 atgcaaagaa cttcagcaaa aaagaccgcg aggaaggggc ttgaagagaa aagtacgtt

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FIGURE 1 (continued)

153721 atctgccaaa atagtctgac cccagtagt ggggcagtga cgagggagag cattcccttg  
 153781 tttgactgag actagaatcg gagagacata aaaggaaaat gaagcgagca acaattaaaa  
 153841 aaaattcccc gcacacaaca atacaatcta tttaaactgt ggctcactact tttcatacca  
 153901 atgggtatgac tttttttctg gagtcccctc ttctgattct tgaactccgg ggctggcagc  
 153961 ttgcaaaggg gaagcggact ccagcactgc acgggcaggt ttagcaaagg tctctaattgg  
 154021 gtattttctt tttcttagcc ctgccccga attgtcagac ggcgggcgctc tgcctctgaa  
 154081 gttagcagtg atttcccttc gggcctggcc ttatctccgg ctgcacgttg cctgttgggtg  
 154141 actaataaca caataacatt gtctggggct ggaataaagt cggagctgtt taccctcact  
 154201 ctaatagggg ttcaatataa aaagccggca gagagctgtc caagtcagac gcgcctctgc  
 154261 atctgcgcca ggcgaaacggg tccctgcgct cctgcagtc cagctctcca ccgcgcgtg  
 154321 cgccctgcaga cgctccgctc gctgccttct ctccctggcag gcgctgcctt ttctccccgt  
 154381 taaaagggca cttgggctga aggatcgctt tgagatctga ggaacccgca gcgctttgag  
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 154501 tccctttttt tcagaatgga ttatttgctc atgattttct ctctgctgtt tgtggcttgc  
 154561 caaggagctc cagaaacagg taggcacgct cggtgacttg taagtctcgg aattacaagt  
 154621 tagtgtgttc ttatccacct tcatgctttt cttgcttcta ttttccccg ttctttttat  
 154681 gactgcagct tagagagcaa gtgtctgaga attattgctg aaagctactt taagtcttct  
 154741 agtgtaaaat gtaaaattcc tctattgaat acaattaggt gcaattgact ataactgac  
 154801 attaaaataa cttatcgctt tattattatt attccattat gtgtttcctt ggctttttaa  
 154861 aatgagaag agtatggaca tatacaattt agtcaaagt atgtttgtaa tatatgtgtt  
 154921 tatacaggta cacaggccat ataggaaactt aaatcttatt taaacactat tttaatagtg  
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 155101 cctccccccc cccccgccac cacccccgc aggcgggttc tgggtgaagc agatgttttc  
 155161 tttaaaattt gtcattcattg acttttaggt tcttttggca ggtttttggc acccaaaaaca  
 155221 gtgtgagctc tcttttcagc tttattcacc tgtgctggga ggggagctag gataattctt  
 155281 ggctgcccga ggatttaggc agtgcggtg catctgcccg ggtcccccc gtttttaggg  
 155341 tcagtgcact tttttgtct tttogtgacc ctgactaaag agaaaggatg tcaagggaat  
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 155461 ggctaaattg ttaggaggaa gaggcaaggc agtagtgag aagggggagg cagtggatcc  
 155521 cacacaagcc tgatgccag ggattcggaa ttcaaaatcc cccagccta ccttcagtc  
 155581 cctgacctgc ttctcagccc caccttaggt cactggtttc tatggagtta cctcctgaa  
 155641 ttgaatattg aatagttaat ttctctctc aatcatttcc cccacctaat tttgaaagat  
 155701 atacatcatc tggggatccc tgtgccctac acagcatgtg aagtggatgg gtaccccccta  
 155761 aagagagggt catcctgaat ggggaagtgg ccccaaagct aggaataact gtgatttctt  
 155821 gtcttttagtc atgtgccaat gttaagtaag cttcagtgga tagtgctgtc ctaccaagtt  
 155881 cctttagtaa gccagccgga ttttcaacag gcagcattcc acagcatttc cctgagctg  
 155941 cttcaagagg ggtgggggaa gtcccttttc aggtgtttat ctctctgca tttgtgtaat  
 156001 ctccctgaag gtggataagc caagggcatg agggggaggc aaaaggtgaa ctcatgttaa  
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 156121 ttcattctgct tttattctgct ctgctagctc tgactctact gtgatccagc atgtctctcg  
 156181 gcgttttagg agacatcccc cactgacctg ctctttctct cccagcagt cttaggcgct  
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 156361 tgccacctgg acatcatttg ggtcaacact cccagtaag tctctagagg gcattgtaac  
 156421 cctagtcatt cattagcgct ggctccactg gagcccagtt ttagagtttc tttctaggg  
 156481 actctgaagg tagtcttct aacaccatcc aagtgcctca gtggggacag tttccctcta  
 156541 ttctgaaaa taacgacagc ttctgttcta gcaaccaagg ggagggtctt ctgaggcccc  
 156601 gtagctcagg ctactcatga tgggacaagc aggaggccac tgcacgttcc aatgaggaa  
 156661 ctttcagtga gagggcctca gggggacact ctacagtggt catctgatgg ggtttcggga  
 156721 ataattgccg aggtcagatg tgggttagtg caacctgtgc ttctcatggg aggggtgaga  
 156781 ctgagaggca gaagtgatga tatagagggt tagaatcact taattttact tacagaaaaa  
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 156901 ggagcccgga tttcctttgc tgctatatat tccctttaga aatgccatt tcagaactga  
 156961 aatagaaata ctgtccatag gcttctcttt cacctacaga gaagaaaagc agatttctc  
 157021 cttctgccct ggacactagt tcatcatctg tcggaagcag tcataaaca gcacacattt  
 157081 actatgcata caatgtaccg ttatgacaaa ggaggaccaa aatccaaaca atatcaaacc

FIGURE 1 (continued)

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157141 acaccaaaaa ccacaaggag cctaataatt actaagggtga tacttccaaa gggaggactt
157201 tatttcttag atgagaatga aaatggacac attggaaatt attggagagc cctctggcta
157261 tgagtccttc cacaaccata tggtagaccac gactggcagg agaaatgtgt gaacatgtgc
157321 ctctctctcc cccaaccact ggggtcggtg ggggtgacggt ggcactttta gcagtatcct
157381 ccgtggtttg agttgaaaat aagtttttaa aatcctgtga gtcattggtt tgcattgaaa
157441 cctcttccca ctgtgtaccc acaaatagtt aactaaatag accattagaa aaggaagaaa
157501 atataaagca gatgccaaag agagatgtcc taatttttga caaaaaagca atgttgcttg
157561 tgtcaagaag aaactgaact ttgtgaagag ttgaaatgga attccactga attagaaaaa
157621 cttgttttct cctgcctgga tacatacagt cagggccatt gatgcacagg tgttcctggc
157681 tgttgttaca ctttaccctc tgaaatgatg ctcccaagtg ctatgtgatg agctccttgt
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157801 agtttctttc tctctttgga taataggcac gttgttccgt atggacttgg aagccctagg
157861 tccaagagag ccttgaggaa tttacttccc acaaaggcaa cagaccgtga aaatagatgc
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158281 gacaaaccag gtaagaggga aggaagaaaa attaggttag aggttcacaa gaacaactag
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158401 ccttagaaaa cagtagcaga ggagatctat gcctctata gattaaaagg agcaaaagaa
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158581 tcattgggtt atatacagcc ttgctctc tgagtcaatg tatttaccac ttccctgag
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158761 tagggttggt agaatttaga acatgctgtt tttcaggttt atgttctttt tttttttttt
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159061 tctatggaaa cttctcttag aaatccagt gcaagaagtt ctatgattaa agtgttctga
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159241 agtaatgctc cccacgagat cagtttctga actaacctgg aattttttat gggtttttat
159301 tatgccaaat attaaatcaa cattacagtt ctctcctctg tatttctcct gtaaaacatt
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159961 tcggggcctg tctgaagcca tagcctccac ggagagccct gtggccgact ctgcactctc
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160381 gaatgcacaa attgaaaaca cactcaaaag acaaacatgc aagtaaagaa aaaaaaaga
160441 aagacttttg tttaaatttg taaaatgcaa aactgaatga aactgttact accataaatc
160501 aggatatggt tcatgaatat gagtctacct cacctatatt gcactctggc agaagtattt

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FIGURE 1 (continued)

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160561 cccacattta attattgcct ccccaaaactc ttcccccccc tgetgcccct tcctccatcc
160621 cccatactaa atcctagcct cgtagaagtc tgggtctaag tgtcagcagt agatataata
160681 ttttcatggg aatctactag ctctgatcca taagaaaaaa aagatcatta aatcaggaga
160741 ttccctgtcc ttgatttttg gagacacaat ggtatagggt tgtttatgaa atatattgaa
160801 aagtaagtgt ttgttacgct ttaaagcagt aaaattatnt tcctttatat aaccggctaa
160861 tgaaagaggt tggattgaat tttgatgtac ttattttttt atagatatnt atattcaaac
160921 aattttattcc ttatattttac catgtttaa atctgttttg gcaggccata ttggtctatg
160981 tattttttaa atatgtatnt ctaaataaaa ttgagaacat gctttgtttt gcctgtcaag
161041 gtaatgactt tagaaaataa atattttttt ccttactgta ctgatttgga atcattactg
161101 aaattttgtaa ggagtgggcc aacgtgatta agtaccataa aggcaaataa atgggttaaag
161161 acggtttcat agaaaagtga caattagaag gatattacgg tctaagctaa ttatataaag
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161281 aaaagcagct ttaacacctc tgtcttctct tgggtagcag cctcctgctt ctccttcacc
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161401 cagttttaagc tgatgggtgt gtgagagatg ctttatccat attaatggac tgaaggaggt
161461 aatggcaaga caacccccca aaacatacct aattatacaa agttatatac caaagttgct
161521 tttagaaaat ggcctgctca gagcaagtag aggtttccaa tggcttttta ttttctcaca
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162241 ccttgagaaa gagtttgaga ttacataaag aagttgaagt ggcatgaaaa aaaataaaga
162301 tctgagctta gaagacatgg atctaataca ttaagagga agtcagaatc agagaagcca
162361 ctgaacaaaa cagtcctaaag gacagcatag taagtcagat tgatgagttt tgggtgggtt
162421 tttcatcagt caaaccttg agccccctt tcccatgctt cctgcttcag tatccagtag
162481 gaaaaatgaa agggatgatg tagacactct agggcatgag gatttgcagt aaataagttg
162541 ggagactcac agaaaattaa tatttttcaa acatgaagac gaaacattca attatattac
162601 agtccacatc agcttgaagg gtaaactgat gggatggctc gtcacatttc ttgctctggt
162661 tccagtaaaa gcatggtttc tggaaaccca cttaggacag ctttctctct ttacactgat
162721 agcccaggca agctttgatc tcagaactcc agaaaccaga gaactctagg tggatgtgg
162781 taacttttgc cagggcagag ggaacaccta ctaataggta cttcatttgc accaccagag
162841 attggcatct ttttgatgg atccactggc tttgatactg cctgtactcc cccaaaacac
162901 agcttgggta ttggactaat ctgagctcc ctcaggagaa ctcttgctga cattaagaaa
162961 gagcaacatt ttgtctttcc agtgtaaat ccaaggccca aaaaggagg tgactcacct
163021 aagatcacag aaggagctgt agcatctctg gagcctgaac acttaagtta agcacgacta
163081 tttcagccag agggccctg gaggtctgca gaaacagatg cccaggcaaa ccttgctaga
163141 aggtctctgg tactaaagcc aaaatcagtc tttctgaaag ctttgctcc cagccttgta
163201 gacagtgtca gcagacccat cccctcaaga ggaaagagaa gaaatgcagg ggaagaaaaa
163261 aggactataa ggaggtatc tcatggcatc gtttaagtaa tgtctatagg ataaaaataga
163321 atataaccaa gaatttttaa ttattatttt tagactttac tcaccaaaga atctatctga
163381 gtgaaggggg aaatctctcg gtcagttctc tttttttttt tttttttttt tttttttgag
163441 atggagtttt gctcttggg cctaggcagg agtgcaatgg cgctatctca gctcaccaca
163501 acctctgct cctgggttca agcattctc ctgcctcagc ctctcagta gctgagatta
163561 caggcattgt ccaccatgcc cggctaattt tgtattttta gtagagacgg ggcttctccg
163621 tgttggtcag gctggtctcg aactcctgac ctcaggtgat ccgcccacct tggcctcca
163681 aagtcctgtg attacaggcg tgagccactg tgctggccc ggctagttct cttttactct
163741 acaatgcaag gcagtggctc gctttttttt tccccctct ctgtttctaa ggtcttgaaa
163801 atgcctgttt tcacatttaa gttctcaatg tgtaaaacac tgctttcaag cttatgttct
163861 taatagagtc cttctgcat tggctttatc tcaccttat actcacagtt cctggggact
163921 ttgggtctgg agctcagaat ttatctactg caagtgaatg ttacacattt cacagtaacc

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FIGURE 1 (continued)

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163981 tctcatcttt gtagataatt tggtttctg tagcttttca catcctttct ctcattcgac
164041 ccctaccctc acacaacaat cttttcgga agctggaacc atatcatgta tccatcagcc
164101 aaccaaggaa agagacatat cgagaggggt agtgactcat ccagagtcca acatcaggca
164161 aatagcaaga ccagaaccgg ggaccctga ccctttcttc ttaaactcct ccagagccaa
164221 ggggatacac tggacctgca acctggacta acgtagatta tttccagctt gtgagtgaac
164281 tgtgagtgga atgaacttgt tcttattctc ttaggaagat caaagctccg tatgtaccct
164341 gagccctagt tttgaacgtc tctgtcgtat gattatttgt ttactgcac c attctgttta
164401 tgacaatgca tggttggcag aaaacttgtt ggcatttaca aagcttgcc c caaatctggt
164461 gccatgaagc catgacaact tcattgacaa ctactggcca cagagccaat acatcggagg
164521 aaatagagtg atgaatgtga tggcagcggc catcaaattt cctcaaattc tgggcagtaa
164581 tcagagagag agctagggct ggtgccacta ggtagtaaaa agagaagggc ttcggccttg
164641 gagacaatga atgatggaaa tgttgggtcc cagggatgac aggctgccc g tagctcagaa
164701 aggcagcaca tcgggagtc cggcatgcagt tttgcccgtt tagagttttc tgggtttctg
164761 catcctattg ttatttttca cattccagtc ccttctgtg taagttgctg
164821 tgggaagtac cagggctaata aatcacaaata ttaagcggcc attgacatgg catgggcact
164881 gaccaattag aaaaagctgg gacagagctg ttgggcaggc tcctgataga ccttggttg
164941 gctaggtctt caacctcctg atgttggcct gtaggggacc ttgtgatctg ggacaggggt
165001 gggcagccag ggtggaattt ccaagcttct tgttgctagg gctatttact aaccaggatg
165061 aaatcatttc actgttttac agactagaat agtctcactg gtatgtgctc ctgtgtacgt
165121 cagattttaa agtatcgaaa ccattctctg cttgataaat tattctcttt acagcttcac
165181 tgagtgaagt gacattatct tcatgcctgc ggaggtttgg caccaaattc tctgtctcat
165241 gcacctttgg tgtcctgtgc cacagtcac tctggcaatg cccctctctc tgcattgttc
165301 cctccctcgt gctctggtgc cacttgggag aagtaaaaag accttaaggg tctccttgct
165361 tccttgga ttttacttta aatttttttt ttattttatg tgttttctat ttcaatagct
165421 ttaagtggta caagtgttt ttagttagat ggatgaattg tgtagtgtg aagtctagga
165481 ttttagtgca tcccttactc aagtagcgtg cactgtaccc agtaggtagt ttttcagccc
165541 tcaaccctc ctatcctccc caacttctgg gtctccaatg tccattatac cattctgtat
165601 gcctttgtgt acccatagct tagctcctac ttataagcgg gaacatgttg catttgattt
165661 tcaattgctg agttacttca ctaagaataa tgacctccag ttccaaccaa gttgctgcaa
165721 aagacatcat ttagctcttt tttatggctg aagagtattc catggtatat atatattaca
165781 ttttcttggc cttctatca gttgatgagc acttaggttg attccatacc tttgcaattg
165841 tgaattgtgc tgtgataaac atactcacgc aggtgtgttt ttgatgcatt gaactctttt
165901 cctttatgta aattccaagt agtgggattg gcggatagaa tggtagatct actttttagt
165961 tctttgagaa ctctccatac tgttttccac agagggtgta tgaatttaca tcttcttgg
166021 agatttttag cagggcaatt ttgtggttgc caaagtcaag atctgcctta gaccaggtct
166081 tcctagggcc ctactctgc aataggaagg agcaagaggg acgagctgcc t gtaagatta
166141 aatcttgccc tcttagatta atttgggact aggaaaggg gggcccataa tttactattt
166201 aaactgggac atatttgaca gcacttagtg acattcttaa caattctcac ggagctacac
166261 attggactgt tgtggacaaa cttggacata tggatcatct agatcaaaat aagccttgaa
166321 tcagttcaga atttcagaac cgcctttgct tcttggtatg gcttggcact gtgtaagcac
166381 acgcaatgtc tgtatgcctt tacctgcaga ccaggctgca gcagagcacc tccccctttt
166441 ctggtgccta cagcctcaag ttcagagctt agggcataat atatcattca ataaatgctt
166501 attcaatgga tgaataaata cagaggtgag ttccactgtt cagtaagagc ggggtgaaag
166561 tgatactctt ctagccagaa tgcgactaga caacagaaga tttataagac ccatttccag
166621 ggctctcttt gcagagctgc catagctgaa atcttctttt attgaggctc cagctagtgt
166681 gtaaaattat tgacacaatg ggttattctt tctacttctt tctactcaa cccatcctgc
166741 atttcacat aatcataata acaataatct tctccaaatg ctttaattat aatttcaata
166801 aatacagagc tagaaggaaa ttaaaaataa ttttggctat taccctcatc tcaaaaacct
166861 tccactgcca ctctgcctat acaataaaaa tatgctatct actgagacag gcaccagact
166921 aggaagaaag gttgggaaat gttacaattt cagtattgag catattaagt tttaaatttt
166981 tcatcatagt gtgaaagtgt tcagagtcac atgaagtcac ctgtgttagg aaccctgaca
167041 aatggagcca ggaaaggcca taaagggaga attctcacac acaaatgcct gataacaaaa
167101 gctatcacag aatactttgc aaaaaccaca atcttgaca aaggccatca caaccttaca
167161 caaaaaatac ttcagtgaag ttatctgccc agcaactgcc tgtctagcct cggactggtg
167221 ccacccttgt tattgataac tgtagccaag aataatgatc tcaaaaacaa tacgttatcc
167281 tcctgatttt tcctttaaca atctttgttt tgctttacct cctcgaatac gcacatagtt
167341 tactatggca tgtgtatttt cattgcaatg tccatccctg aataaaaaata attttctttt

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FIGURE 1 (continued)

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167401 catttattaa tgtatttgtt ttttgaaact ggggtctccct ctgtcaccca ggctggagtg
167461 caatggcaca atcacagctc actgtagcct tgacctccca ggctcaagtg accctcccac
167521 ctcagcctcc taagtagctg ggaccacagg tgtacaccac catgctcagc taattaaaaa
167581 acatttttgt agagataggg tcttctatg ttgccaggc tggttttgaa ctccctgggct
167641 caagcaatct tctcgccttg gcctcccaaa gtgctgggat tactggagct gttgtgccca
167701 gctcaatttc ttttagggag tctctctgtc ttttatctag gttgacagtg gttatcttca
167761 aatatatcca acagttgaga gaatagtata actctaaagc caatatacct agcatatagt
167821 ttatatagtt gttgagatat gctgggtgtt gctttatctc tacctgcac ctcgccctct
167881 tccttgaatt actttgaagc caatcccagc tatcattatc atcttaccta taaatatttc
167941 agtgtagttg taataaactt gatatgcttt gctcgatcag gtaaaatgtg aaatagtcaa
168001 ctagatatgt ggacctagag cttacagtgg atgaagaact cacaataaca aacgcctcac
168061 ggaactcaca ataacgaaag agacaatgca tgttgatagc ttgtgtttat gtgggtgctta
168121 ctaatatccc agacagtctt ttgagaactt tgcattgcac agctcatttt attcttacta
168181 aaacactatg aggtatttat cctatgttgc agatgaggaa acttgaagac agaaattcag
168241 tagtaactta tgcaaggcca ggacagtagt gaagaggtaa gaaccaggta acctcattca
168301 ctatgctttt ttgattcaga agaattccaa gtgataaagg ttacattatg ggataatcaa
168361 gtcctatgat ggtatcaaag tgacagttag caactctgcc tggggacagg gaagggaagt
168421 ggtgggtttc gggaagggtt catgtaaaga aacagtgaag aatcagcctt gaattcctaa
168481 gaaggatacc atttgagaaa tttaaagctg aatcaaaggc gtgaagaagt ctcaataaaa
168541 tgctttgtcg atagatgact tgataaaaag aacataacct aacatgctca tgtgactgac
168601 tcataagaaa agtaagcagg tatctagatc attaaaagat gatttatctt gcaataatcc
168661 aatgatattg gaaatcttaa agcaacacaa caacactagg acagaaatct ctaattttca
168721 agtggcattg attgaactga aattttgagg tatgactaaa aatagcaaga aagcaattct
168781 aacagatttt cactaaatth tcagaagtta actacattta acattataat acaatgaaat
168841 aattccactg aaaatcactg tacttactga atgtaagctt attttatagt tcaaatgccc
168901 tatcaacctc ctactcttta atgcatggtc acaaatgacc tctcaccatg tcaagaattc
168961 cctcttgatg tatggatagg aataaccac ctgtcaactt aggtgtcttc cttgtgtttg
169021 aacaatttgc taaggtagga ttaccaatcg acctgctctt gacattgggtc accggtgtgg
169081 ttctttccat ataacctcat cgttttgccc tgatcagcgg ccacaggcag gcagtaaccg
169141 ttgggttggt gaaagacaaa atgccctaga caattaagga gatgatctta ttcaggctac
169201 tacaataagg aaaatgttca ttaatgaaga ctgtctcaag gaaaggaagg aaacctgggg
169261 tttcatagag acagtaaaca agggagcaac tgaatctttt ggtagtcatg aggatggaga
169321 tggctctttc ttaaccatga agaaaggggt gaaaggaaga ggctcgagca ggggtgtttc
169381 ttgcagttag ccatttctca ggacacaaa aatgaggaga ttttttgagg gacacaggac
169441 tcagataaat ttcttcattg tcagtccctg gtttttttca agatgaatat cattcatcaa
169501 ggaaacactc aatgacaatc ataaatctcc tgagtggggt gaagtaaggt ctcagaaatc
169561 atttctcaaa gactcttagt gttattcggg caaagacagt tgaagcatct gtagaaagat
169621 aatgtcaagg tcagtttgtt tgggattctg gggactaggc accgtaaaag aggattgctt
169681 aaaaagaaaa agagaaatat aagtataaaa ggtttactaa agagccagaa attgaataat
169741 gagggtaacc agttcagtgg attccaagag gtcatggag gaaaatcttt cagttctgta
169801 acactgctct ttgagtctct tagagctact gaataggaca tcagtgtctt cagtgggtgt
169861 gtccacaggg catgtctgac tctagcattc cacaggcttc ttagtgcccc aggcagtgcc
169921 tttccagggg gaaactgggc ccatgaatgg tctgctacag tggtgagtcc tttgaagtat
169981 atatagcaaa ttttagctta taatgcttct tcagatccta gggaaaagga cccagatata
170041 agacaacctt gagtccctac agggatccgg gtagtcagat tttagttctc ggtgacactg
170101 agtcaggcag cagtgaagaa aattgaaaaa actgttgga accagaaaga ttgaagatct
170161 gaaaaggatt gataatttgg gaagtttaca ggatccagtc caacttacag ataggtacaa
170221 aaactaacag ctaggagaaa agtcaattac aattccacca gacaagacag tttgcctatt
170281 aatcattact cacattaaaa aaaaacccaa acagctcaaa aacaatgaac aaggtagtaa
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170401 atttgtgtag tctactgact ttgatcaaga ataactcaa agaaagatta ttcttgccat
170461 tacaagccat ctcatlagat ctagaatggg tattcagatt ggtacagcaa gaatggtaat
170521 ttaccatatt ggccttttaa gtttgctttt tggaaaattt cataaggagg ctagatttgg
170581 actgttaaaa aaaatctctc tagacaggaa gccaaagcaa taacttgcta ccagatttca
170641 cctgtcaagt acctataaat ctgggcaaat ttattttttc ttcaagtccc ccaaatatcc
170701 taggattcct aggcattgcca ggaaaggacc ttctttacct ctttactcac ctaaaaggaa
170761 gaggatctgt aatcaggta tcaggcctgt tttcccggga aggctttgta agcatcattt

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FIGURE 1 (continued)



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170821 ccgtaaagcc aaccttagct tcttaaaagc atctgggtcat atctgattaa atgagcatca
170881 ttctcaacta tgacattcca agcactgcct tagttgtata acctgtattt tcaattttgt
170941 catggtaaca agaaggacag attcttattg aacctatgca aatgattatg ttgcatgaa
171001 aataaaaata ctcaataaga gtttccaaat tctggaggag tcaggcagag agaatacaat
171061 accactatca aatgtttcat ttcgtaagtg atatcttatt ctctgagttt ataaactgag
171121 tttcagttta taaaagcaaa atctaaattg ctatgtatta tgtattatag accacttaag
171181 aggaaaaaaga aagggcttcc ctatatatcc agaaaacaga atatcagaat gatcatattc
171241 caaacaaaaa gcacaaacag tccctgcgtag ctcattcagt gctatgtagt taatttgtat
171301 tccactcagt cttgagtga gagtctcatg aacccctttg tttcttggct agagttctag
171361 gaatcctaac tcagtccact ggtatgttct caatattgtt taagtgcacac catcagaagc
171421 cagtaccxaa aagtatctgg caaaagtga ggacaatctg gcatcatcct tttctacagg
171481 gctttgagaa gataccacgc cgaggacaag cactatggcc tctagctgat ttgcaaaagc
171541 tgagatgcat cagagtaaaa caaagactat ctgtagatga caaaagacat aaagtggcac
171601 tgtgggttaac ttcttactga taattttcaa aagtgaaga tctggtgaca ggtcattaga
171661 acaataatgc aactgacaag gaaatctggc tggtcgtgtg gagtacaaaa caagatcagg
171721 aagtcgatcc aaaaggtttt agacaagaag ataatttccc ctgttttcaa agagtggcta
171781 ttacatttga tttataaaat tgggttgtat tagtccattc tcaggtagtg ctataaagaa
171841 ctacctgaga ctgggtaatt tataaagaag ttttaattgac tctccacagg tttacagaa
171901 agcatggcaa ggaggactca ggaacttac aatcatgggt gaaagcgaat ggggaagcagg
171961 tactttcttc acaatgggtg caggagagag agagagccaa gggggagggt cttttaaacc
172021 atcagatctt gtgagaactc actcactatc atgagaatag caagggggac gtctgcctcc
172081 actgagccaa actgtatcac gggtaaacad tatttttaca gagaaaaaaa atcttgataa
172141 ataactgtaa taatcctgac ataataatcc atgaatatat caagcatata gttagaatat
172201 accacgaata tatcaacaat atattctgaa tgagtctgga gtacatccta aatatctata
172261 tgtaataaaa actccatagg gaggtgatat gtatcccat ttgaaaatca ctggcctaga
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172441 ccgtgacaaa tagaaacata tgaagagtga tggtagggac aattctttag ggatttctac
172501 agcacacact ttctgaaata ttaagaacac acatttttagc tagagaaagc taagcaaatc
172561 tgatttgcta actcatcagt tgtaacatat caaatacacc taattatttc cagcatctct
172621 ctttttcatc tttgtagata aaagtaaaaa tcttgttact tttccaggcc cctgcccctt
172681 gaaaaattac agaaatagtt ttaggtgcaa aagaaatcat taagattgtg tttggggaag
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172801 gagaaacaat acttggttac gtatttgact aaaacaacag taaaaaattt aaaaagtaaa
172861 tataagaggt aacatgattt taaagaagct tagctctttc ctaagaaact ctgttttctt
172921 aaataatcaa ggacattggt gtggttcgaa tgtttgtgtc ctttgggagg tgattaggtc
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173041 atgaaggcag acctcatga atgggattag tgcccttaga ccacctatga gccaggaagc
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173221 gaactgtggg aaataaaatt ctgttgttta taagccacct accaggttat tctagtaaga
173281 agtatcccaa acagactaag acatgataaa gtcagcataa aagaataacc atttacaatc
173341 cacagacact ttgttttcta ggcagattgc acagaagata tctaacagaa agaaaacaaa
173401 ttttatcaaa agcaaaccaa taatccaaga aaaaaattca tctaacagaa ctcactctgt
173461 attctagttt tctaaagctc tttttttttt ttttttttta aagacagagc ctcactctgt
173521 tgcccaggct ggagtgcagt gctgtgatct cagctcactg tataggcgca caccactgcg
173581 caagtgattc tcatgcctca gcctcccag tagctgggac cagggtttca ccatgttggc caggctgggtc
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173881 cttttctgtg ttcatgtgta tccctactag tgtaacttct caaaatgccaa gaaattcatt
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174061 ggatatccat tcattaactc aatttattat tggcccaagg ttttaagttt cctaaagact
174121 ttgcaaatta tcttcaagct gacacattgt ataacataat tactgctgaa ataaaatttg
174181 tcaaaataag tcttcaaatt acttaaacac aaattcgcat ttttcatca ttttaaacat

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FIGURE 1 (continued)

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174241 ttagtagaag tgatgctagc ttcctcaatt agtaaatctg tataagttta aaaaatattt
174301 acaaatataa caaaatctgt gcttatgcaa tattaacac tgataaatca gagaaaactt
174361 agctgtatatt attaaatcaa ctgactcat ttgccaaaaa agtacctaaa
174421 ttacataaaa ttagatttct aaattatttc tgagttaata tctataacaa tacctttttt
174481 aatccccaca ctgaaagtat tagaggttca attttcttaa tttctttctc ttcataaagg
174541 gatattctta ataaaggaat atttagtcaa tataaatgct tatttatctc taagcaaate
174601 agactagaga ttctttaaga catttcctaa tctagcttat tgatattatc aggagataga
174661 aaaatattat acactcacac gatgagaagt aaaggacttt ctaaatacag acatactcac
174721 agagaaaagct tataatttca tttctaaaat ttcagtcaga tgtcaaatat aaaccaacaa
174781 atacaaaacc cgccagtcca gatattaact tcttggttg cataatattc ttaatagatt
174841 tgaactaaaa atagacagac agagaggaga ttctagctaa attctgtcac ctttactca
174901 acagagacaa ttacctctat aaaccatcag ttgcttaaa agatcatcaa atgttcagac
174961 catgaaaata aaagttgtcg ctagaattg agtaagtgt caggaaaagt aacaatcaaa
175021 tctactgtgc tactgatgaa caaaagtcac atgagttgga ctcacctttg ggtccccgaa
175081 tctgtagtcc ggaacacaga gggctccagc tgcctagata cccctgtgga ataacagagc
175141 tctgaagtga ggcccaagct attcaagtta ttgcacccaa cagaggggag ccttgtaagg
175201 agaatggggt aagaaaaggga gcctggtcag cacaatgta tcaggaaaagt ggctcaagtg
175261 cagtaaaatg actaagagta tggctattgt attcagatat acctggattc aaatcatggc
175321 tccactgctt ataagccctt tgggaagcta ttttacctc ccaagtctcc atctattcat
175381 ctataatatg gagataataa tacctaccac acagtgtgat tgtagattac cattccatat
175441 gaaactctgg agaccggccc tttattcacc acacaaaccc ttcaccatat gacctaaact
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175621 caagcgatcc tcccacctca gcctcctgag tagctgggac tacaggtgca caccacctatg
175681 cccagctaatt ttttttattt tttgtagaga tgcgtctcac tttgttacct aggttggtct
175741 caaactcctg gcctcaaata atccttctgc ctcgatctcc caaagtgtcg ggattacagg
175801 tgtgagccac catgcccagc cctcctggtt tatcttcacc ctacattggt actatcgtag
175861 gggaaacattt ctcaaatttt gtgtgcaaca gagttaacct agaaaaattg ataaaatgaa
175921 gattcccagg tcacaaaccc cagaaattaa gacctagtaa atgatagaac ctagaaatct
175981 ttgttttagc aagaaccag gtggttcaga cataggtgtt ttttagatta tgtttaattt
176041 taaaaatata ccacgtgagc agccgggcgc agtggcgcac gcctgtaatc ccagcatttt
176101 gggaggccga ggtgggcaga tcacgaggtc aggagataga gatcattctg gccaacatgg
176161 tgaaacccccg tctctactaa aaatacaaaa attagctggg cgtggtggcg cacacctgta
176221 gtctcagcta ctcaggaggc tgaggcagga gaatcgcttg aacctgggag gtggaggttg
176281 cagagctgag atcacgctac tgttctccag cctggtgcca gaatgagact ccatctcaaa
176341 tgtatatata cacacgtata tatacatata agtgtatata tatgtatata tgtgtatata
176401 tacatatatt acatatataa catacacat atattacctc tataacatac atattacata
176461 tatattacat agatgttaca tatattatat atacacgtat acatatatct atatatacac
176521 gtatatatag atatatataa aatggttagct attcctcacc ctggctgtga actttcgttt
176581 ctctccaccc aggcctttga aatgccactt tctcatagaa gaatggcttt tcttcaaggt
176641 tctgctgggt agctgttttt taaatgtgtt ctcttctgtg aggcctttcct ggactttctca
176701 aggcaaaaag gctttgtgggt ctctcctctg gtatttggtt acaagtctga ttccccactt
176761 gacagagagc tcttgtaggg gaggcacggc atcttttttt tatctctgtg ttctcagcat
176821 ccagagaagg cacgctttga atgtctgtta attgagatga caatcccaac cccatattgc
176881 aaggagaatg attggaatct ctccatact tggcttttaa gtcacttaca agcctgaact
176941 gagagtctta gagactttca ggccagaagg tactaagagg tttgtcaagt cacagactga
177001 agaaaaatatt tgcaatacat atatctgata aaagactggg catctctctg gaatatcagt
177061 ttctaagaaa tgggtgctaac acatccttat aataaatcag aaaaacgggt cctggttaact
177121 caggtttcca catgcaactc ctttcattac tggaaataaa aattgtttta ctttgacca
177181 agtagatgat gtcttccagt ataaaaaaa aaaaaacact cctccccagc atcaacctac
177241 ctctgttgtt tttgtacatg aatatgttat tagcagcaat gacagacggc taacatctga
177301 gtccagccac ttgacaatca ttcgaagtca gcaggaacag acgtgctgaa ataaaaaaag
177361 acgagatgaa gtgctctacc tagggaacac cgccttgcaa tatatactgt tctactgacct
177421 ctacttagga atgtgagtgc aaattgtcct ctggctatgg gcaacaacat aagccacgaa
177481 atgaaagagc tccaaataaa ttaaaatgat aaatttagcg atttagtgtg aacataaaaa
177541 gctttacaac ttcacgaatt aaaaaaacag tttcaatgtt agaagtcaag agagcagctc
177601 cctttagggg gtgggggtgg agtgggcaga ggagagcctg ggggacttct gtcttctgtt

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FIGURE 1 (continued)

177661 tcttgggtctg ggtgctgaga acataggcgt gttcactttg gaggaatgct ccaagctgca  
 177721 catcaagata tatgctcttt cccgtatgtg ttatgtttca aaaaagctta ccccttcctc  
 177781 ctctcaaaaa gcattttttt cctttcattt ttttatttct tcttcttctt ctctctctct  
 177841 cttttttttt aactagatac acgctgaaca aacaaaatat gcaaagaata atagtttgaa  
 177901 ggggtgccag catgctagcg tgccctctgga agcgtacatg ccttggctcg gactgggcat  
 177961 cagatgtgca ttttcacttg atgtaattca tttccttgtt ccatgaccca gctttcctct  
 178021 ttggggtaaa ggccogtcca gcattttttt tggacaaggt ctccaccttt gctgcatcca  
 178081 gggagactcc ttcagtgccca cggctctgcc tcaggttagt ttcttgttac gtgttgctcg  
 178141 gctttgtcag gtcttaatgc catcctgaag ctggtaaaat gagccaagtg acttcatctc  
 178201 tcatggcaca ccttgaggac attacttggg cacaagccaa ttcactgctc acagcccagag  
 178261 agacattttt ttcccatgag ctagctcctc tccctctctc tcacaaataa cttcctctat  
 178321 gggaaaggac acatcagaga acaaggagca ttgtaacggg tgagaaatat gcttgacatg  
 178381 ggggaaggaga tgccgtcctc actccctcct tccccaccct tccacactca tctgtcaact  
 178441 ctaatttctc actaatgctt gggtttact ctaagctccc tttgcttgcg cgtgccacc  
 178501 aacagaaata tccaggaaaa gaaagagcat caggaatgac tggcgaattt gactcttgga  
 178561 ccttgttgtt gctgactgcc ttctgcagct tggcgaattt gactcttgga atgcacggac  
 178621 agaagtagca tttttctctc caccagaagt ctgacactga ccatgtcaat gagcgtcaat  
 178681 tggcagtacg tgtgtgttgg ttgacctttt acatcaagac caagctaagc atttgctttc  
 178741 ctttgggtcaa ttccactggg ccttcctttt ggtcaatccc atcgctctct gacccagggc  
 178801 cagaggaaca tagcattttt cctaacttgg acaatgttgc aacacaaaaa aggcttgtag  
 178861 tgaagtacgg aggaggtaga tgtgaagagt catccttttg tcagattgca aagggtgttg  
 178921 agcccattag tttcaggatg tttttatttt gttcccttcc agtaaatgtt ttcagagatt  
 178981 ttgctcggg tttttaaaga tgttttataa gttatgggtc tcttttaaat ttttaatcat  
 179041 cttaatgagg tataatttat atacaataaa atgcctagac agtgatccca tttgatggat  
 179101 tttacaatta tatataccca tccaaaccaa gatagaaaac acctccttca cccagaaac  
 179161 ccttcatttc cttttccagt cagttccctc acacacactc actcctgccc tacccccagc  
 179221 ccactagag cctaggagaa gtcactgttc tgatttcttt caccataagt tagctttgct  
 179281 tctataaaat gtagcacctc agtatatat tttttagggtc ttgctaattt tgctcaacat  
 179341 aatgtttttg agatttggtc atgttattgc ctttgtcagc agtttgttct actttattgc  
 179401 tgagtaatat tccattgtac aaatatatga caatacattt atcaattctc ctgtatgagt  
 179461 acaatggaat tgtttctatt tggagctgtt actaagagtg ctgtgagcac tcttgtaaaa  
 179521 gtctttttta tgtttttttt ttccatttct gtttaacttta tatctgagag tagaattgag  
 179581 gggccataag taggtttatg gtttaacttta tatgaaagtt ccaaaatttt tccaaactgg  
 179641 ttataaccatt cttatattct taccagcagt gctgggata tcgaattgct tcatgcttgg  
 179701 tattgtcaat atttttattt tacttagtcc aacatttggg attatcacag tttatttact  
 179761 tcagctatga tgatttgtgt gaaatgccat ttcactgtgg cattagttgg catttccctg  
 179821 atgatctacg gtgttgagct tactggccat tctgttctcc tatgtgatag gcacgttcat  
 179881 gtattttgcc tgtttttaca aattgacttt tttgtgtttt tattgttggg ttttaagagt  
 179941 tctctataca tcctggatat gagtccttta ttagacatat gtattgcata ggtattttcc  
 180001 agttttagtc ttgagaattt attttttaat gatggcttct gatgaacaga aattattaat  
 180061 atttatgaag tctgacatca ttttttttaa tttactcctt ttatgtcct gcttaagaca  
 180121 tctttgtctt cccaaatggt gtgctatatt ctcaaggttc ctcttagaga ctttaggttt  
 180181 ttagtcttta tgtttttgtc tatgatccat atcaaattaa tttttgtgca cggataagg  
 180241 cgggggggtgg tcaagactca ttttttcccc caatatccag gtgttctagc actatttgc  
 180301 taaaagtctt tcatttcccc attggaatga cttggtgctt ttgttaagaa gccattagta  
 180361 tatgtgtgtg tgtggctatt tctgggttct ctattttgtt ccattgatct atttctggac  
 180421 tcctttcatt tccatagatc actatcacaa tatctatagc tgtagagtat gttttcagat  
 180481 tgattagtgt aagatctcta actttgttct tttttatcaa gatcgtttgg ctgttttgtg  
 180541 ccctctgggt ttctgtattt atttttagaaa caacttggca cttcctttaa aaaatgatgc  
 180601 ttgaattttg atcgaattgg gttgaattta tctctgattt aggaaggatg gatattctaa  
 180661 caacattcag tcttcaaaaa acagtatgcc tttttgcccg gcacagtggc tcacgccagt  
 180721 aatccaaca ctttgggagg ttgaggtgga cagaacacaa caggccaggga gttcagagcc  
 180781 agcctggtca acatgggtgaa accccatctc tactaaaaat acaaaaaatta gccagatgtg  
 180841 atggtgcatg cctgtaatcc cagctacttg ggaggctgag gcacaagaat cacttgaacc  
 180901 aggggggtgg aggttgaggt gagctgagat tgtgccactg gactccagcc tgggcgacag  
 180961 agcaagaccc tgtctcaaaa taaataaata agtaaacaga taaaactaga ctaataaaaa  
 181021 gaaaccagtg tggcttttta ttaagttagg ttttcagttt cttttaacaa tgtttttag

FIGURE 1 (continued)

181081	ttttcaatgt	agagatcttg	catatttcat	tatatattatt	cctagccatt	taattgtgtg
181141	gtcatatatt	aaaattttta	tttgccagtt	tttattgtta	gtgcagaata	tatactgact
181201	tttaccctaa	agctttgctg	cactctttta	ttacttttaa	aaatatattg	gtagattcca
181261	tggagtttgc	tatgtcacat	gttctttgaa	taacaatgat	tttttccttt	agaatgtttg
181321	tgcatttatt	tgcatgtgact	tactctataa	aattaccata	tcttctagaa	tattgtctgaa
181381	tagaagtgtt	gagtgaatgt	tcttgccctg	ctcctaattcc	tagtggaata	ggatttaattg
181441	ttactagttt	aaagaataat	ctgtaatttg	attgagaaaa	tttcctctat	ttctagtttg
181501	ctgatagttt	ttatcgtgaa	tcagtgttga	atttcatcaa	gttcattttc	tgcatctatt
181561	gagatgattt	ttttctcctt	tattctctta	atgtggcaat	ttacactgat	ttattttcac
181621	acattgaacc	aatctttacat	ttctgaatat	atcccacttg	gtcatgactt	attttttcat
181681	tatagctttt	tgtgtgttgc	cagattttgat	ttgccaatat	ttccttaagg	catatatagg
181741	tgtgtgtgtg	tgtatatata	tacacacaca	tatatatata	tatacatata	tacatatata
181801	tacacatata	tacatatata	catatatata	catatatata	catacatata	tatatatata
181861	tatgtgtgta	tatatatata	tatgtgtgtg	tgtatatata	tatatatatt	tataagttaa
181921	aaagtatttt	cgaaaatata	ggctgagtat	cccttaccac	aaatgttttg	gacccaaggt
181981	ggtttggaat	ttggactttt	tttggaattt	gaatagttag	ataaatataa	taagatatct
182041	tggggatggg	accacagtct	aaacacaaaa	tgcatttata	ttttatatat	accttacata
182101	catagcctga	aggtaatttt	acataatatt	ttaaataatt	ttgtgcatga	aacaaatttt
182161	gattgtgttt	tgactatgac	ctgtcacatg	aggtcagggt	tggaattttc	tacttgtggg
182221	gtcctgttgg	cactcaaaat	gtttcagggt	ttggatcatt	ctggatccag	aatggatcca
182281	ggtataggtt	ggattccacc	tataccaacg	tttttgccat	cttaggggtt	ggttttattg
182341	actttttttt	cttttttgc	tgtttgtctt	cttgcttttt	tgtgtttgtt	tttaaatttc
182401	agattgaacg	ccagacatta	ggatattttt	taaaaaacag	tagagactga	gacaccactt
182461	atttaccctc	agaaaagggc	atgcctcatc	ttctgtccag	ttattcgtat	aggagtttgg
182521	cagatgaagt	ctgtcgttga	gggtggcctg	aactttgttg	tggtcttagt	tatggtaata
182581	caaccctaat	ttgaaatgaa	actacactct	gatgcctttt	atttagtata	agcactgggt
182641	gccagagagc	atccctcagg	tctcccacta	tgactacaga	cttcaggaga	ccctatgccc
182701	ctgcacctca	ggagagatct	ctcccagcat	tcttgcctct	tggccagtg	ccaactgcta
182761	tttcttgga	cttgggtgaa	agcaggggcg	tgggaggggt	tctctgagtt	cccctgatcc
182821	acgattagac	taaggcagcc	cttctgcacc	tgagctcctt	cagctcctct	gcccctcccc
182881	cagatgtaga	caagggcacc	tcagtcttag	cacacagttc	tgaatgctgg	acctatttcc
182941	ttggctttcc	tgttccatcc	tcagtcttag	acaggcccag	tgccactatg	ctcaggagag
183001	tctctctcag	acctctgac	ccttctctgg	gtcaggtctg	tctgcctaatt	aggcagtgta
183061	agttctggag	catagcaaga	ttacttttgg	ttttctctgt	ttgtcttcac	tcttaggttg
183121	atcatgttag	cctgcatttc	cctggatttc	taaccctttt	ccatatgtgg	actgtcactt
183181	tctgccactt	agtgtaaagg	ctggagggtg	agaaagtttt	ctctctctct	ctgccactcc
183241	tggtgctgcc	catattctca	ttcgggtgtg	acctggcact	tcttttgtga	agcagtagtt
183301	aaggagactt	tagaactcac	catggccaag	gaaaggccca	agggtttgtc	agtgtgacag
183361	atcagattcc	aattgatggg	caaccaatca	atgaaacaga	cacaccctca	cagttggaaa
183421	tggaggatga	agatacaatt	gatgtgctcc	agcagcacgc	aggaggtgtc	tactgaaagg
183481	ggcacctgtc	tctttcctcc	agaatgctgt	tcttacagac	cagtattaaa	ttctcagtca
183541	gaaaactgca	atttggtttc	accacatctt	gactaataga	ctaatacagt	acagttttct
183601	ctatcctttc	ctttcccttt	tctctattcc	tttataaaat	cacataaagt	aactaatgta
183661	tttgacacag	aatatcacat	ttttaaaact	tcttattata	ttcagtggtc	agtggtagtt
183721	tttaattgac	atcgagtgga	gacaggatgg	gggaaaacac	tgattctgtg	aaaatacccc
183781	gtttctccac	taccggcatg	ctcattcagc	tcttatcttt	atattccagt	aagttatttt
183841	gctctcactg	ttttaacaac	aaccaccaca	acagaaaaaa	cataaaaatc	tttgcatacc
183901	ttgttcaatt	gaataatttt	aatgatattc	tatctattat	tgtaaaaacca	aggacaattt
183961	tataactttt	tttgtacgta	gctgttacat	gtaaggcaat	ctgtttttta	gtagggttaa
184021	attactctta	aaaaaaaaaa	agaattctag	acagttttct	cttcaagtca	agcatgttgt
184081	tgtttaagct	tcttgtttaa	aaataaatta	aagtttttct	gattcctctg	ctctctttct
184141	agtgtaggca	gctggcatac	tgtgttacag	tctgttcacc	actggtttca	aatctttttt
184201	ttttttttga	gatgcagttt	cactcttgtc	acctcaggct	gagtgcattg	gcgtgatctt
184261	ggctcactga	aacctctgcc	tcttggttcc	aaatgattct	cctgcctcag	tctcccaagt
184321	agttgggtatt	acaggcacc	gccaccatgc	cgggctaata	tttgattttt	tagtagagac
184381	gtggtttcac	catgttggcc	aggctgggtc	tgaactcctg	acctcagggt	atctgcccac
184441	agacaggatc	aggacttttc	attcagctgg	gcttgagatc	taaatatcaa	tgagatccca

FIGURE 1 (continued)

184501	gagatctctt	tatggtttaa	aactcggctt	tctgaacctt	ggtgtatctc	tctctctgtg
184561	tttgaccatc	tggcagctgg	atTTTTtat	tagatTTTTc	tcttcagtca	ctcctctagt
184621	tttctggctc	ttgtgaggtc	tttctccttc	cttttgtcct	gtccctagac	attagcactt
184681	actgcttgcc	cttggtgaaa	gcctagtgtt	ccttgaaaag	actcctctct	tgggtcttct
184741	gcccttggtc	cagccttcag	caggccactg	ctggtgagga	cttggagtat	ctcagggtac
184801	atttcctagt	tctcctgccc	tgctttcagt	gaagttcctg	agtgccttat	tggggtttta
184861	tgagctcttc	tgccctgtct	ccagcctttg	gctgcctctg	ccttgcaactt	gttgaaggcg
184921	ccatgtatct	catggcagat	atctttcagg	tcttctgctc	tgctctcagc	cttttgtgta
184981	ctatctctgt	gtactcagta	aaggcccata	aaaaaacaag	gagagggggg	gcaaactcaa
185041	tttgtgacta	gagccccttg	agactccagt	ccatcatttc	aaccaaccaa	cgggcatcaa
185101	aagtccatca	aggacaggca	tggtggctgg	tgcttgtaat	cccggcactt	tgggaggctg
185161	aggtgggtgt	atcagttgag	ctcagggggt	tgagactagc	ttgggcaaca	cggcaaaacc
185221	ctgcctctac	aaaacaaaaca	aataaacatt	ggtctaatat	ggtggcacag	gccagtagtc
185281	ctagctactc	aggagggttg	ggtgggagga	tcacttgagc	ccaggagggtt	gagccctgat
185341	catgccactg	tattctagcc	tgggtgacag	agtgaagacc	tgtctcaaaa	aaaaaaaaat
185401	gttcattaac	agttcagctg	aattctcact	ccatccacag	cagattcctc	ctttctccac
185461	cttcatttga	ggttcacagt	agctacgggt	ttctctctgc	tgaaattcat	ttcattttga
185521	ttgtcttgca	tcctcagttc	tttggtaggt	ttatttattt	atttatttat	ttatttttga
185581	ggcaggggtc	tgctctgtca	tccaggctgg	agtacagtgg	cacaatcaca	gctgcctgca
185641	gcctcagcct	cctggggtca	agcaatcatc	ccaccttagc	ccctggaata	gcttcacagc
185701	tgggaccaca	gacatgtgac	accacgcca	gctatttttt	tttttttttt	gagagatggg
185761	ggtcttgcta	tggtgctctg	gctagtcttg	aactcatggg	ctcaagcaat	cctcctacct
185821	tggtctccca	aagtgtctgg	attatagaca	tgagccacca	tgcttgggcc	tctgggtgagt
185881	ttcttttaac	tatcattata	tagcttgtct	agatgtatct	tgctgtaaag	gtggaagtaa
185941	tgggtttcttg	ctactttttta	tatcctaata	agaagcaagt	gtctaaaagt	ggtcttaaaa
186001	attattaggt	agctgaaatt	acacactatt	aattaagtac	acacacacac	acacacacac
186061	acacacacac	tccatttcct	aatttctctt	tatttttttt	tcctactcag	tcatccacag
186121	cacttttctat	tgtccacctg	tagttctcaa	ttgctaata	tttttctttc	caggggacag
186181	ttggcaacat	ctggagacat	tttttattgt	tacagctggg	gagatgggtg	tattggagtc
186241	cagtgggtga	gagatcaggg	atgctactaa	acatcgatat	gtaagtagga	ccgctctcaa
186301	caacaaaaaa	ttatctggtc	caaaatatca	atggttctga	ggttaagaaa	ctctgttcta
186361	agggaatatg	aacaatcgcc	tgtagcagat	acagtcattg	tttttccacc	aataaattct
186421	ggtgggtacc	aagcaaatca	aaaagcaata	gaagagaaag	gaataatgtg	tgtattgtct
186481	ttctgatttc	agggaaggcag	tgtgtggatc			

FIGURE 1 (continued)

gi:4503461

1 mdyllmifsl lfvacqgape tavlgaelsa vgenggekpt psppwrlrrs krcscsslmd  
61 kecvyfchld iiwvntpehv vpyglgsprs kralenllpt katdrenrcq casqkdkkcw  
121 nfcqagkelr aedimekdwn nhkkkgkdcsk lgkkciyqql vrgrkirrse eehlrqtrse  
181 tmrnsvkssf hdpklkgkps reryvthnra hw

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FIGURE 2